AMSCO

ILLUSTRATED PARTS BREAKDOWN

AMSCO BASIL® 4000 Series Cage and Rack Washer

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Rev. 1

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INTRODUCTION

Significant assemblies and components of the Basil® 4000 Series Cage and Rack Washers are illustrated and identified in this manual. The part number, description and quantity required for each usage are given. Each indentation in the description represents the assembly level. The Units Per Assembly column is specific for the given assembly or subassembly level.

This manual is provided to AMSCO customers and AMSCO service technicians to enhance the ordering of maintenance parts for the Basil 4000 Series Cage and Rack Washers. To order maintenance parts or identify hardware not found in this manual, please call AMSCO Customer Service at (800) 333-8848 for assistance.

The customer maintenance person should refer to the Service and Maintenance Procedures Manual (P-910000-007) for installation of parts which may require special attention or adjustments during installation.

How to Use the Illustrated Parts List

Determine the function and application of the part required. From the illustration, obtain the item number assigned to the desired part. Refer to the accompanying tabular list (usually on the facing page) for the AMSCO order number and description of the part.

IMPORTANT: To assure the correct part is purchased, verify the manufacturer and manufacturer catalog number listed in this document. Incorrect parts may not fit properly and/or may effect machine performance

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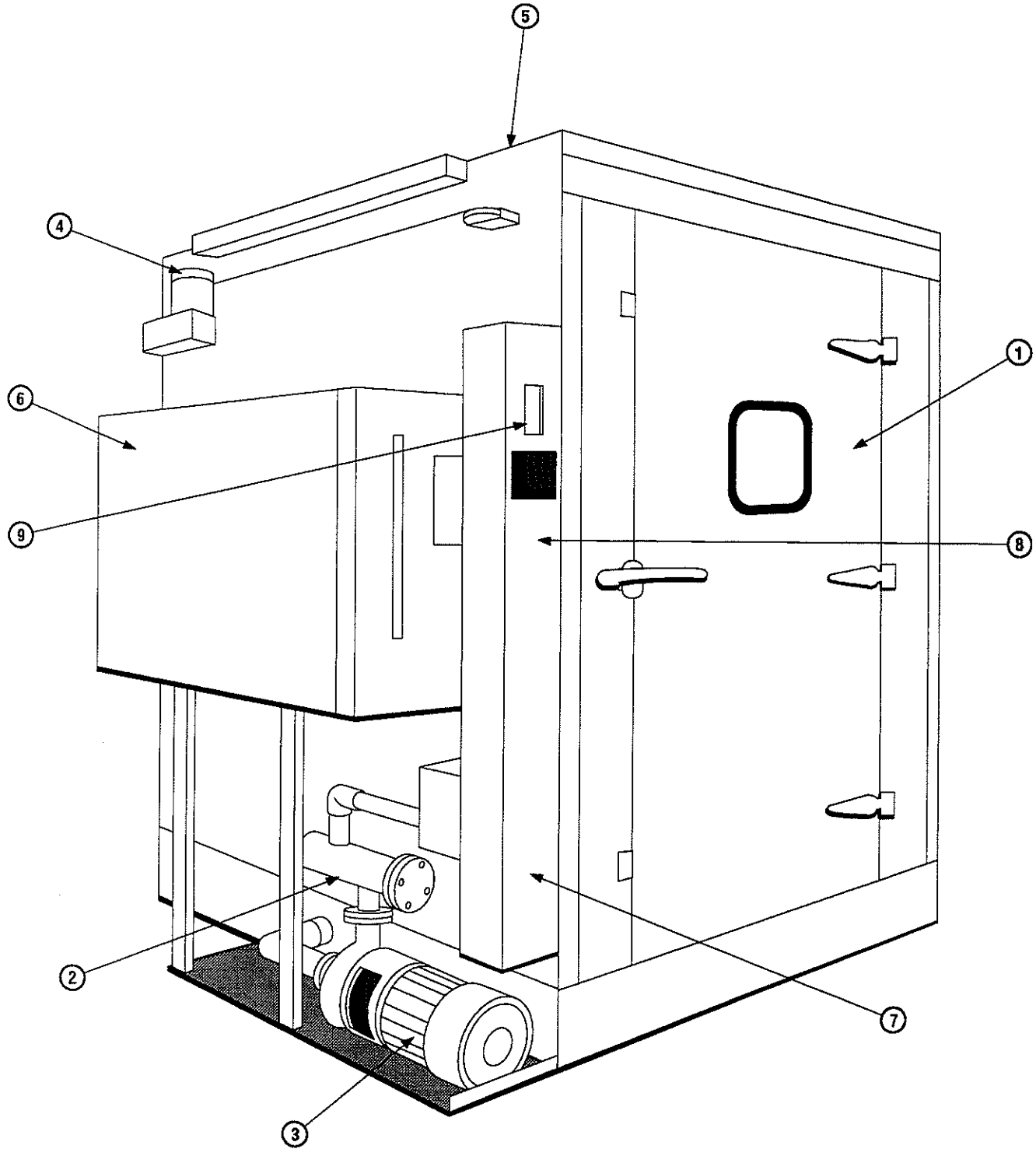


Figure 1. Overall View of Washer

Overall View of Washer

Call AMSCO Customer Service to Order Parts: 1-800-333-8848

ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY
1		DOOR ASSEMBLY (See Figure 3)		
2		SELF CLEANING SCREEN ASSEMBLY (See Figure 6)		
3		PUMP AND MOTOR ASSEMBLY (See Figure 9)		
4		CABLE AND ROLLER ASSEMBLIES (See Figure 12)		
5		DAMPER AND OPTIONAL EXHAUST FAN ASSEMBLY (See Figure 16)		
6		TANK ASSEMBLIES (See Figure 17)		
7		3000 CONTROL COLUMN ASSEMBLY - ELECTRICAL BOX (See Figure 18)		
8		3000 CONTROL COLUMN ASSEMBLY - CONTROL BOX (See Figure 19)		
9		PRINTER/DISPLAY PANEL ASSEMBLY (See Figures 21 and 22)		

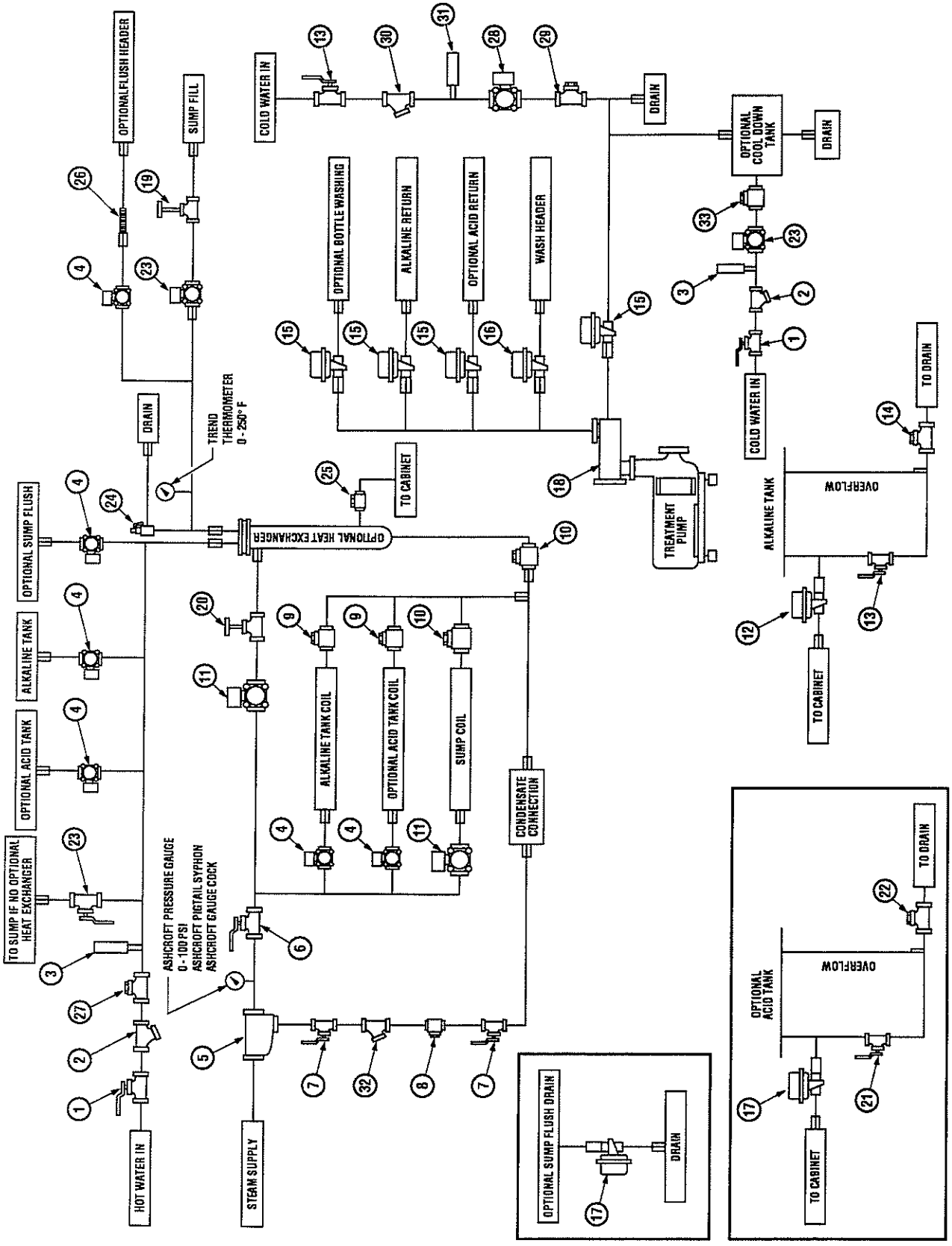


Figure 2. Piping Schematic

Piping Schematic

Call AMSCO Customer Service to Order Parts: 1-800-333-8848

ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY							
		"STANDARD" PIPING		X							
		PIPING FOR OPTIONAL ACID TANK			X						
		PIPING FOR OPTIONAL COOL DOWN TANK				X					
		PIPING FOR OPTIONAL SUMP FLUSH DRAIN					X				
		PIPING FOR OPTIONAL HEAT EXCHANGER						X			
		PIPING FOR OPTIONAL FLUSH HEADER							X		
		PIPING FOR OPTIONAL COLD WATER INJECTION								X	
		PIPING FOR OPTIONAL BOTTLE WASHING									X
1	764324-514	BALL VALVE, 1" NPT Brass	Watts 6010-1	1	–	1	–	–	–	–	–
2	764324-494	STRAINER, 1" NPT Bronze	Watts STR-1BZ	1	–	1	–	–	–	–	–
3	910006-017	WATER ARRESTOR, 1/2" NPT	Watts 15	1	–	1	–	–	–	–	–
4	764319-004	VALVE, Water, 3/4" NPT Brass (Units with Heat Exchanger Piping)	ASCO 8222G49	1	1	–	1	–	1	–	–
	910006-343	■ KIT, Rebuild	ASCO K304-032								
	757833-091	VALVE, Water, 3/4" NPT (Units without Heat Exchanger Piping)	ASCO T8210D9HW								
	754742-091	■ KIT, Rebuild	ASCO K302-307								
5	910006-027	STEAM SEPERATOR, 1-1/2" NPT	Spirax Sarco S2-1-1/2" NPT	1	–	–	–	–	–	–	–
6	910006-005	BALL VALVE, 1-1/2" NPT Brass	Jamesbury 1-1/2-21-1100TT-0	1	–	–	–	–	–	–	–
	764324-448	■ KIT, Rebuild	Jamesbury RKC-25TT								
	764324-453	■ BALL, Replacement	Jamesbury T3161-555								
7	910006-164	BALL VALVE, 1/2" NPT Brass	Jamesbury 351-1/2" NPT	1	–	–	–	–	–	–	–
8	380041-091	STEAM TRAP, 1/2" NPT	Spirax Sarco TD52-1/2" NPT	1	–	–	–	–	–	–	–
9	764315-066	STEAM TRAP, 3/4" NPT	Spirax Sarco TD52-.75" NPT	1	1	–	–	–	–	–	–
10	764324-487	STEAM TRAP, 1" NPT	Spirax Sarco TD52-1" NPT	1	–	–	–	1	–	–	–
11	101003-664	VALVE, Steam, 1-1/2" NPT Brass	ASCO 8222B82	1	–	–	–	1	–	–	–
	764322-007	■ KIT, Rebuild	ASCO K304-037								

NOTE: List continued on page 7.

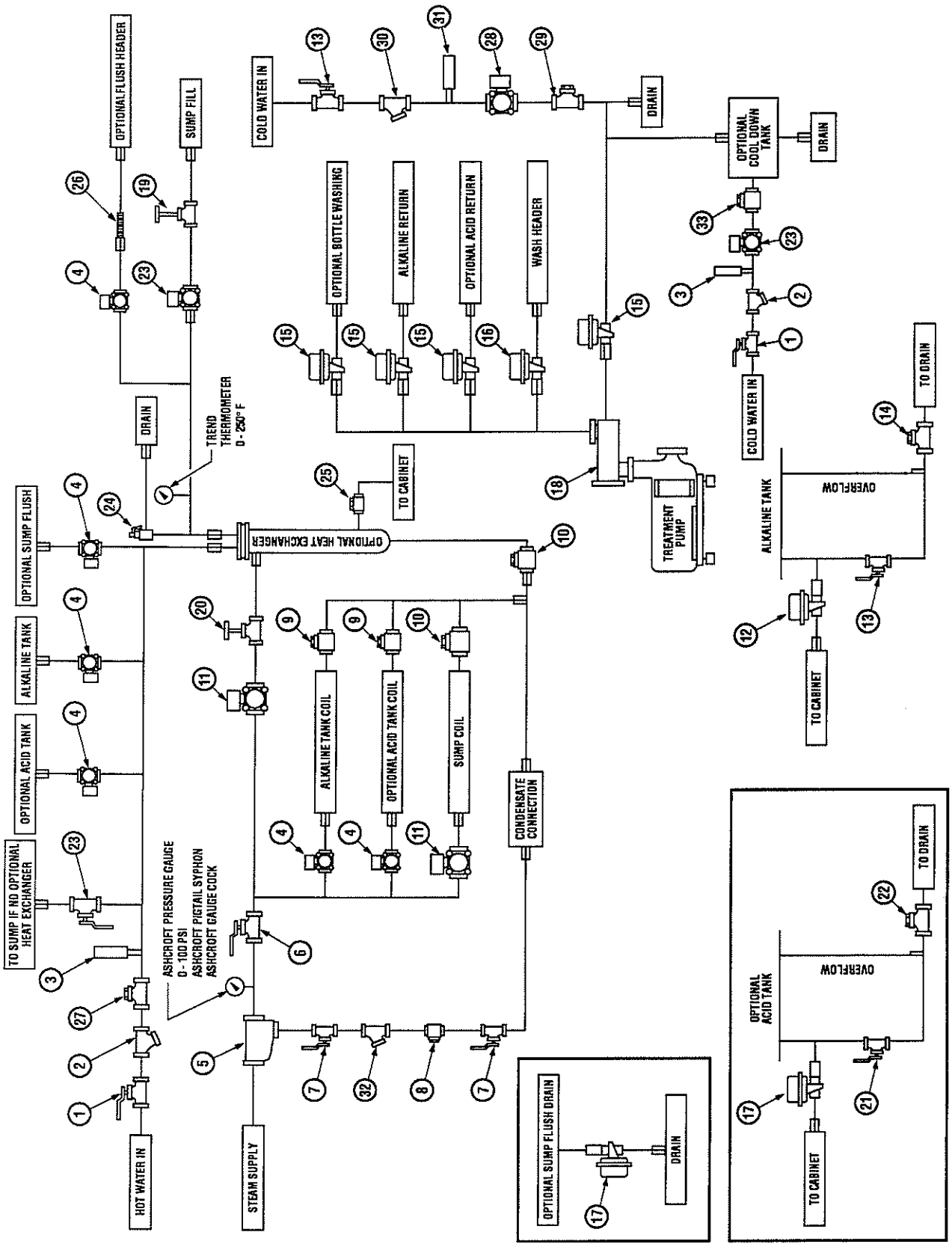


Figure 2. Piping Schematic (repeated)

Piping Schematic (continued)

Call AMSCO Customer Service to Order Parts: 1-800-333-8848

ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY							
		"STANDARD" PIPING		X							
		PIPING FOR OPTIONAL ACID TANK			X						
		PIPING FOR OPTIONAL COOL DOWN TANK				X					
		PIPING FOR OPTIONAL SUMP FLUSH DRAIN					X				
		PIPING FOR OPTIONAL HEAT EXCHANGER						X			
		PIPING FOR OPTIONAL FLUSH HEADER							X		
		PIPING FOR OPTIONAL COLD WATER INJECTION								X	
		PIPING FOR OPTIONAL BOTTLE WASHING									X
12	910006-009	BALL VALVE/ACTUATOR, 1-1/2" NPT Brass	Jamesbury 1-1/2-21-1100TT-EL-20	1	–	–	–	–	–	–	–
	764324-448	■ KIT, Rebuild	Jamesbury RKC-25TT								
	910006-183	■ BALL, Replacement	Jamesbury T3161-.5SS								
	910006-008	■ ACTUATOR	Jamesbury EL-20								
13	764324-513	BALL VALVE, 1-1/2" NPT Brass	Watts B6010-1.5	1	–	–	–	–	–	1	–
14	910006-019	CHECK VALVE, 2" NPT Bronze	Watts CV-2" NPT	1	–	–	–	–	–	–	–
15	910006-014	BALL VALVE/ACTUATOR, 1" NPT S/S	Jamesbury 1-21-3600TT-0-EL-20	1	1	1	–	–	–	–	1
	764324-449	■ KIT, Rebuild	Jamesbury RKC-23TT								
	910006-309	■ BALL, Replacement	Jamesbury T3161SS								
16	910006-013	BALL VALVE/ACTUATOR, 2" NPT S/S	Jamesbury 2-21-3600TT-0-W/EL-20	1	–	–	–	–	–	–	–
	764324-450	■ KIT, Rebuild	Jamesbury RKC-26TT								
	764326-560	■ BALL, Replacement	Jamesbury T3162SS								
	910006-008	■ ACTUATOR	Jamesbury EL-20								

NOTE: List continued on page 9.

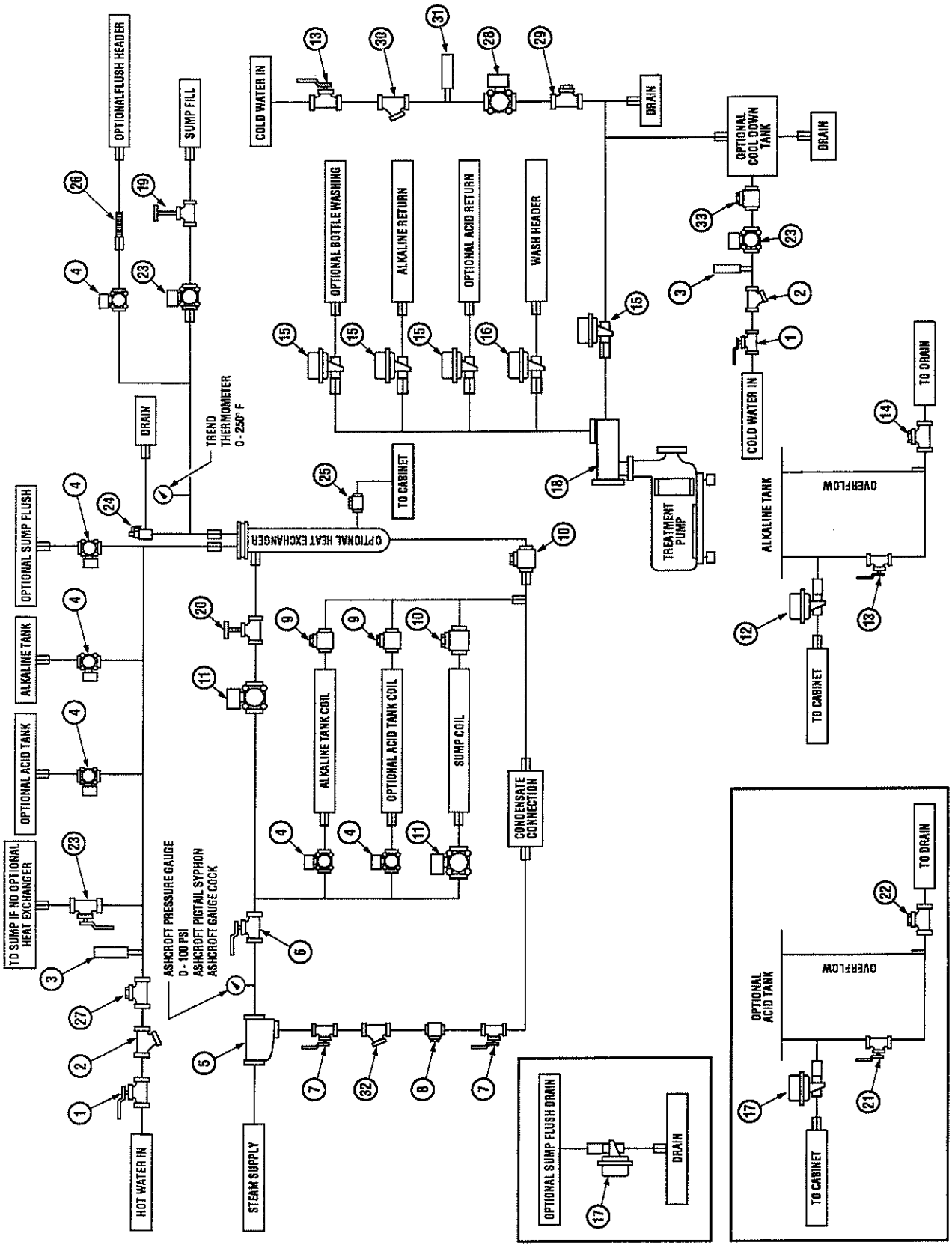


Figure 2. Piping Schematic (repeated)

Piping Schematic (continued)

Call AMSCO Customer Service to Order Parts: 1-800-333-8848

ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY							
		"STANDARD" PIPING		X							
		PIPING FOR OPTIONAL ACID TANK			X						
		PIPING FOR OPTIONAL COOL DOWN TANK				X					
		PIPING FOR OPTIONAL SUMP FLUSH DRAIN					X				
		PIPING FOR OPTIONAL HEAT EXCHANGER						X			
		PIPING FOR OPTIONAL FLUSH HEADER							X		
		PIPING FOR OPTIONAL COLD WATER INJECTION.								X	
		PIPING FOR OPTIONAL BOTTLE WASHING									X
17	910006-012	BALL VALVE/ACTUATOR, 1-1/2" NPT S/S	Jamesbury 1-1/2-21-3600TT-0-EL-20	–	1	–	1	–	–	–	–
	764324-448	■ KIT, Rebuild	Jamesbury RKC-25TT								
	910006-183	■ BALL, Replacement	Jamesbury T3161-.5SS								
	910006-008	■ ACTUATOR	Jamesbury EL-20								
18	B4600-154	SELF CLEANING SCREEN ASSEMBLY (see Figure 6)		1	–	–	–	–	–	–	–
19	910006-102	GLOBE VALVE, 1" NPT	Crane 14-1/2P-1"NPT	–	–	–	–	1	–	–	–
20	910006-103	GLOBE VALVE, 1-1/2" NPT	Crane 14-1/2P-1-1/2"NPT	–	–	–	–	1	–	–	–
21	910006-002	BALL VALVE, 1-1/2" NPT S/S	Jamesbury 1-1/2 -21-3600TT-0	–	1	–	–	–	–	–	–
	764324-448	■ KIT, Rebuild	Jamesbury RKC-25TT								
	910006-183	■ BALL, Replacement	Jamesbury T3161-.5SS								
22	910006-088	CHECK VALVE, 2" NPT	Sharpe 2" - 20276	–	1	–	–	–	–	–	–
23	758315-091	VALVE, Water, 1" NPT Brass (Units without Heat Exchanger Piping)	ASCO 8210D4 .	1	–	1	–	–	–	–	–
	764324-355	■ KIT, Rebuild	ASCO K302-280								
	117950-189	VALVE, Water, 1" NPT Brass (Units with Heat Exchanger Piping)	ASCO 8222B4								
	764321-495	■ KIT, Rebuild	ASCO K304-035								
		NOTE: List continued on page 11.									

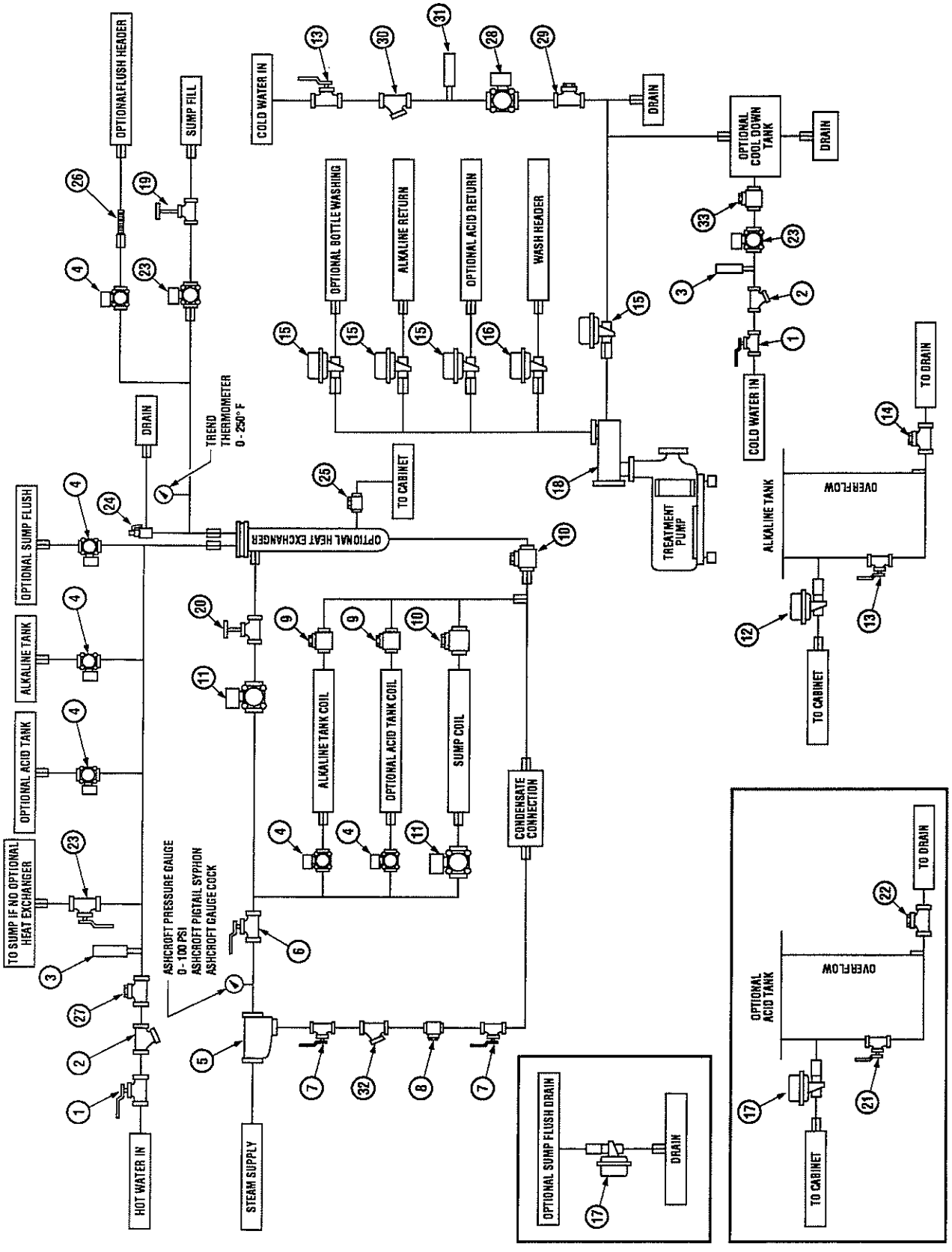


Figure 2. Piping Schematic (repeated)

Piping Schematic (continued)

Call AMSCO Customer Service to Order Parts: 1-800-333-8848

ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY							
		"STANDARD" PIPING		X							
		PIPING FOR OPTIONAL ACID TANK			X						
		PIPING FOR OPTIONAL COOL DOWN TANK				X					
		PIPING FOR OPTIONAL SUMP FLUSH DRAIN					X				
		PIPING FOR OPTIONAL HEAT EXCHANGER						X			
		PIPING FOR OPTIONAL FLUSH HEADER							X		
		PIPING FOR OPTIONAL COLD WATER INJECTION								X	
		PIPING FOR OPTIONAL BOTTLE WASHING									X
24	910006-020	RELIEF VALVE, Pressure, 3/4" NPT	Watts 174A Model M3	–	–	–	1	–	–	–	–
25	910006-028	VACUUM BREAKER, 1/2" NPT Brass	Spirax Sarco VB14	–	–	–	1	–	–	–	–
26	910006-021	WATER REGULATOR, 3/4" NPT	Watts U5	–	–	–	–	–	1	–	–
27	910006-018	CHECK VALVE, 1" NPT (Units with Heat Exchanger Piping)	Watts CV Series 1" NPT	–	–	–	–	1	–	–	–
28	910006-344	VALVE, 1-1/2" NPT	ASCO 8210G22	–	–	–	–	–	–	1	–
	910006-345	■ KIT, Rebuild	ASCO K302-284								
29	764324-513	CHECK VALVE, 1-1/2" NPT	Watts B6010-1.5	–	–	–	–	–	–	1	–
30	306857-091	STRAINER, 1-1/2" NPT Bronze	Sarco 1-1/2" NPT Type "BT"	–	–	–	–	–	–	1	–
31	910006-270	WATER HAMMER ARRESTOR, 1-1/2" NPT	Watts 15 - 1" NPT	–	–	–	–	–	–	1	–
32	910006-292	STRAINER, 1/2" NPT Cast Iron	Sarco 1/2" NPT Type "IT"	1	–	–	–	–	–	–	–
33	910006-087	VALVE, Swing Check, 1" NPT S/S	Sharpe 1" - 20276	1	–	–	–	–	–	–	–

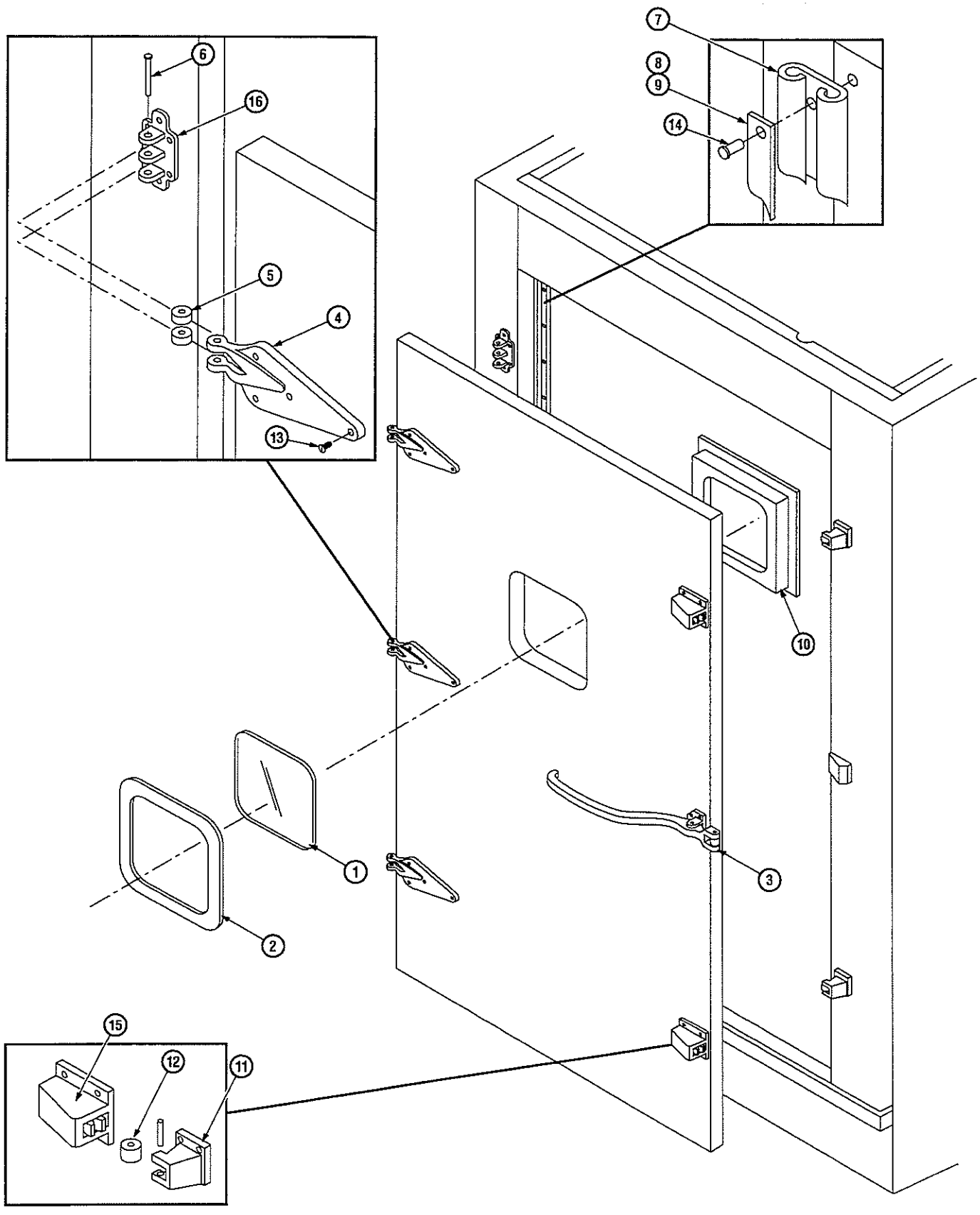


Figure 3. Door Assembly

Door Assembly

Call AMSCO Customer Service to Order Parts: 1-800-333-8848

ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY			
		SINGLE DOOR		X			
		DOUBLE DOOR			X		
1	117940-294	WINDOW		1	2		
2	117940-139	GASKET, Window, Neoprene	#WG	1	2		
3	910006-094	RELEASE HANDLE, Cabinet Doors	Kason Central 0189-001100000	1	2		
4	910006-093	HINGE, Flush Mount	Kason Central 1055-000004	3	6		
5	910006-334	PIN, Hinge	Basil A4600-2036	3	6		
6	910006-333	BEARING, Hinge	Basil A4600-2002	6	12		
7	R3000-335	GASKET, Silicone	Reiss 7053	A/N	A/N		
8	117940-308	RETAINER, Door Gasket, Horizontal		2	4		
9	117940-309	RETAINER, Door Gasket, Vertical		1	2		
10	117942-121	SEAL, Window		1	2		
11	764324-545	STRIKE, Adjustable	Kason Central 0056-00500	1	2		
12	117941-561	ROLLER, Strike		1	2		
13	75664-061	SCREW, Flathead, 1/4 - 20 x 1" Lg, S/S		55	110		
14	764324-479	RIVET, 1/2" Grip, 1/8" Dia.		100	200		
15	910006-095	TRIGGER GRIP	Kason Central 0189000024K	1	2		
16	117940-306	BASE, Hinge		3	6		

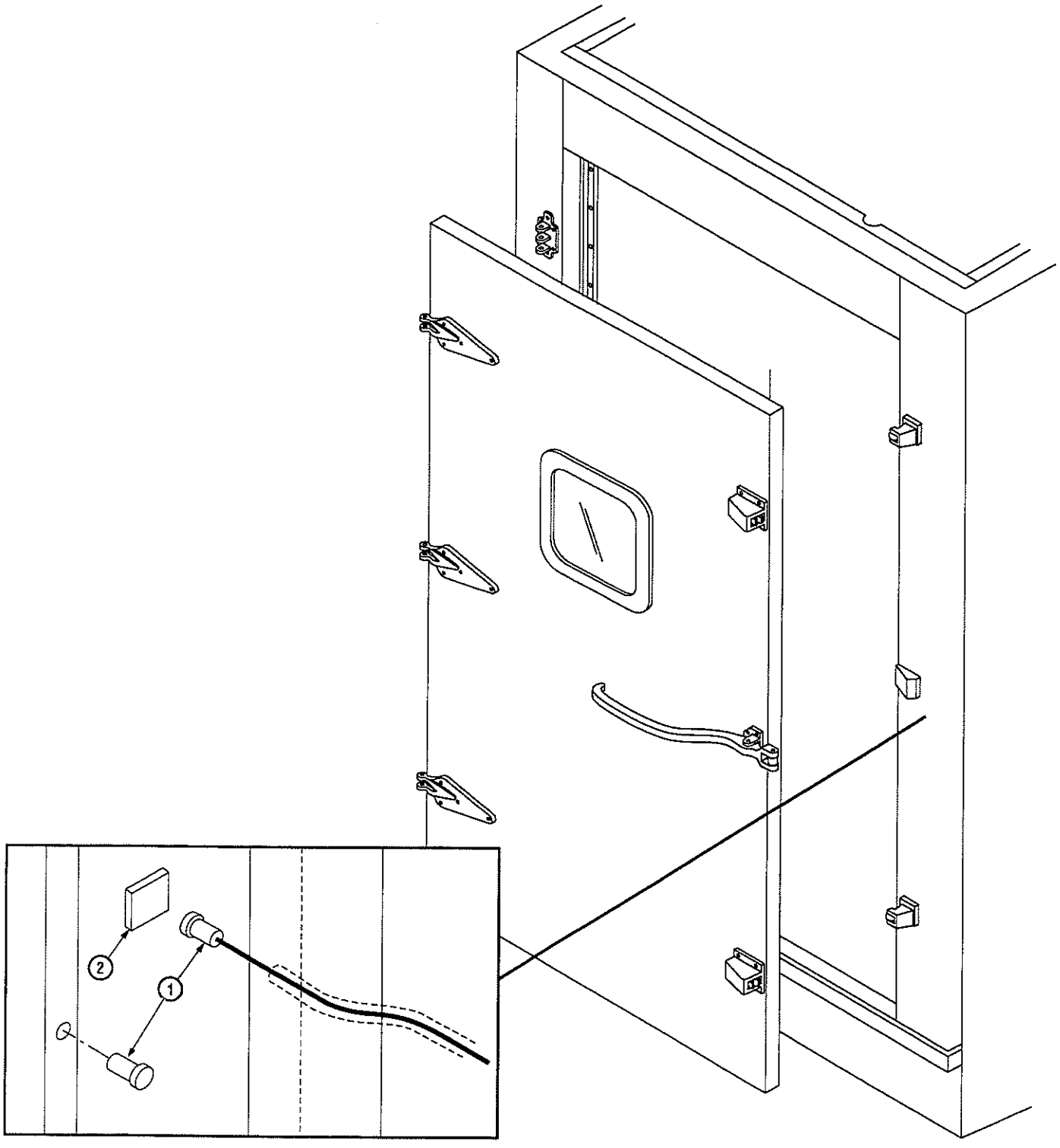
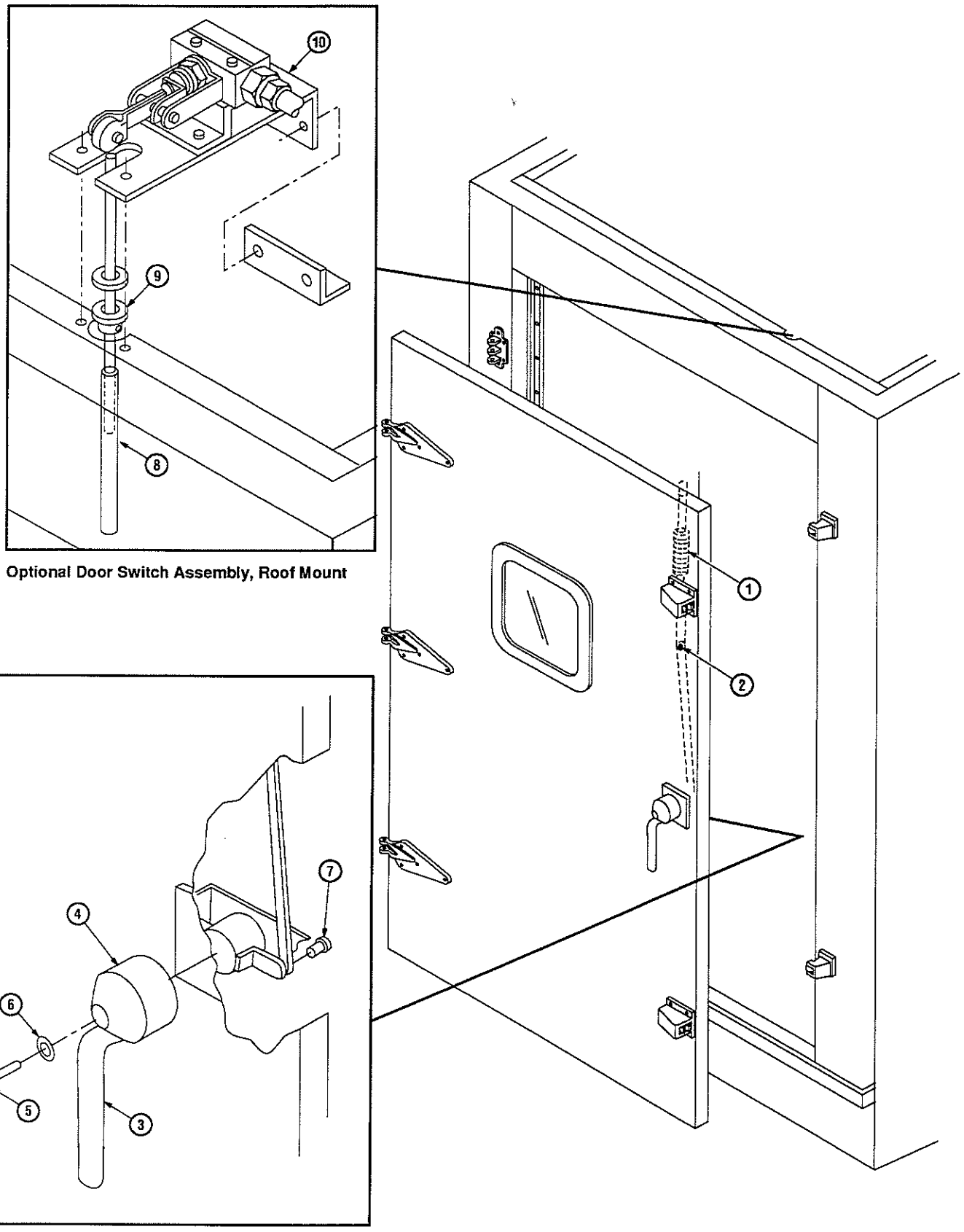


Figure 4. Door Switch Assembly

Door Switch Assembly

Call AMSCO Customer Service to Order Parts: 1-800-333-8848							
ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY			
		SINGLE DOOR		X			
		DOUBLE DOOR			X		
1	764324-489	DOOR SWITCH, Closed Loop	Sentrol 03-1176	1	2		
2	910001-236	PLATE, Door Switch		1	2		



Optional Door Switch Assembly, Roof Mount

Figure 4A. Optional Door Handle and Switch Assembly

Optional Door Handle and Switch Assembly

Call AMSCO Customer Service to Order Parts: 1-800-333-8848

ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY
1		LEE COMP, Spring	LC-120M-4 304 S/S	4
2		BOLT, Hex Head	5/16-18UNC x 1" Lg 304 S/S	2
3		HANDLE	A4600-2000	1
4		HANDLE HUB	A4600-2014	1
5		SCREW, Allen Head Cap	5/16-18UNC x 2" Lg 304 S/S	1
6		FLAT WASHER	A4600-2020	1
7		SCREW	A4650-2021	2
8		ROD,1/4" DIA. S/S		1
9	A4600-2035	ADJUSTMENT COLLAR, Door Switch		1
10	91645-091	MICROSWITCH	Micro Switch BZE6-2RNZ	1
	910006-330	KIT, Door Latch Access (Not Shown)	AMSCO	*
		*Use for the first time entering into this door assembly		

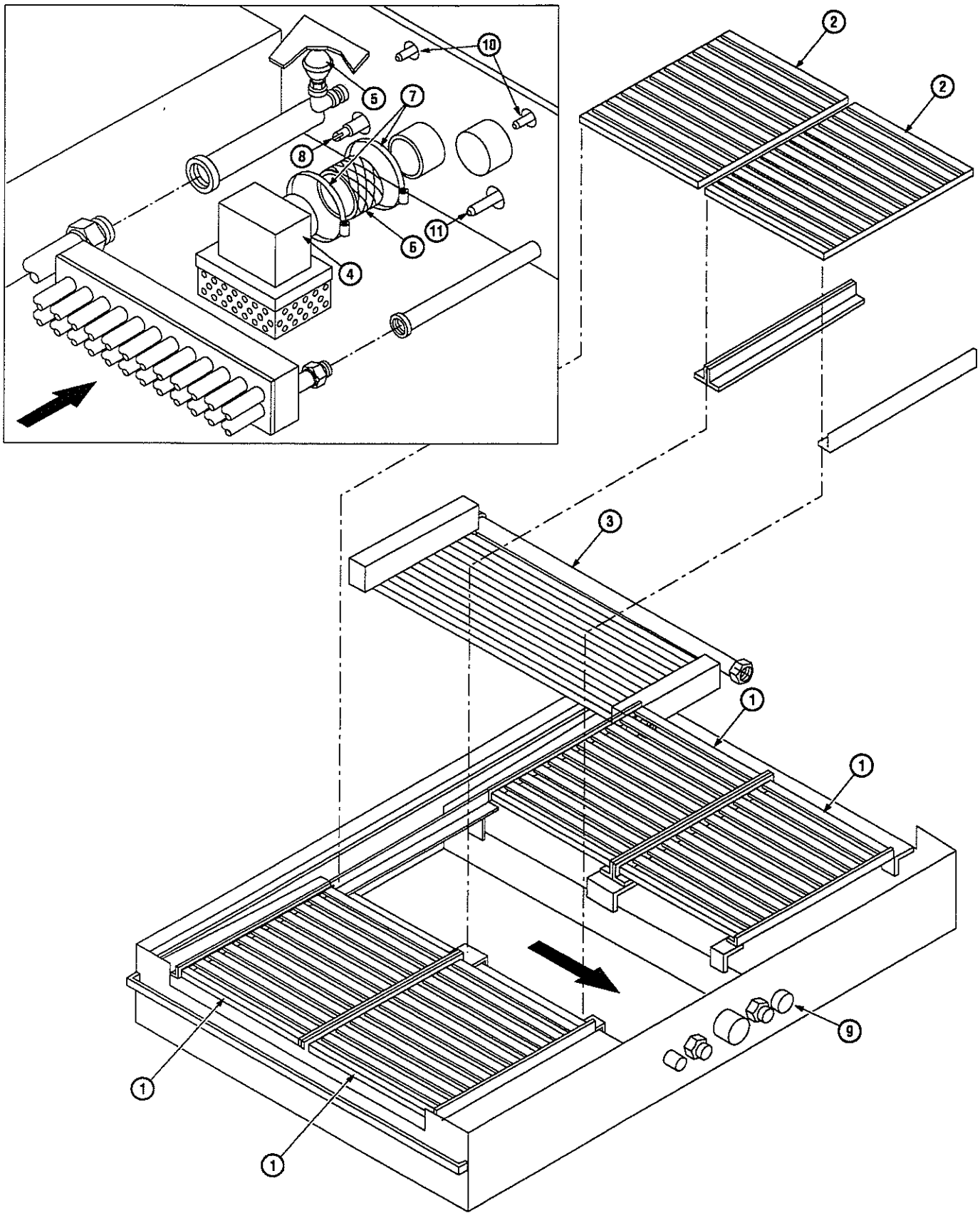


Figure 5. Sump and Floor Grating Assembly

Sump and Floor Grating Assembly

Call AMSCO Customer Service to Order Parts: 1-800-333-8848

ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY
1	117940-296	WELDMENT, Floor Grating, 31-1/4"		4
2	117940-297	WELDMENT, Floor Grating, 29-1/2"		2
3	*	STEAM COIL ASSEMBLY, Right or Left		1
4	117940-295	WELDMENT, Suction Manifold	Basil C4600-105	1
5	764324-406	SWITCH, Sump Liquid Level	Gem-Float LS1950 - Series 26717	1
6	R3500-983	HOSE, Inside Pump Suction, 3-1/2" ID x 3-1/2" Lg	Gates 35W Series	1
7	117950-792	CLAMP, Inside Pump Suction Hose, 3-3/4" ID, S/S		2
8	910006-271	PROBE, Conductivity – Optional	Pharmacal 99181	1
9	910006-272	BUSHING, 3/4" x 1", S/S	Pharmacal 99285	1
10	764324-509	PROBE, Sump Liquid	Warrick 3HIC00310	2
11	910006-274	PROBE, pH – Optional	Omega PHE-6510	1
12	910006-275	CABLE, pH, 10 feet – Optional (Not Shown)	Omega PHEC-B10HD	
13	910006-276	COUPLER, Probe – Optional (Not Shown)	Omega PHEH-6510	1

* Must contact AMSCO Service Engineering department.

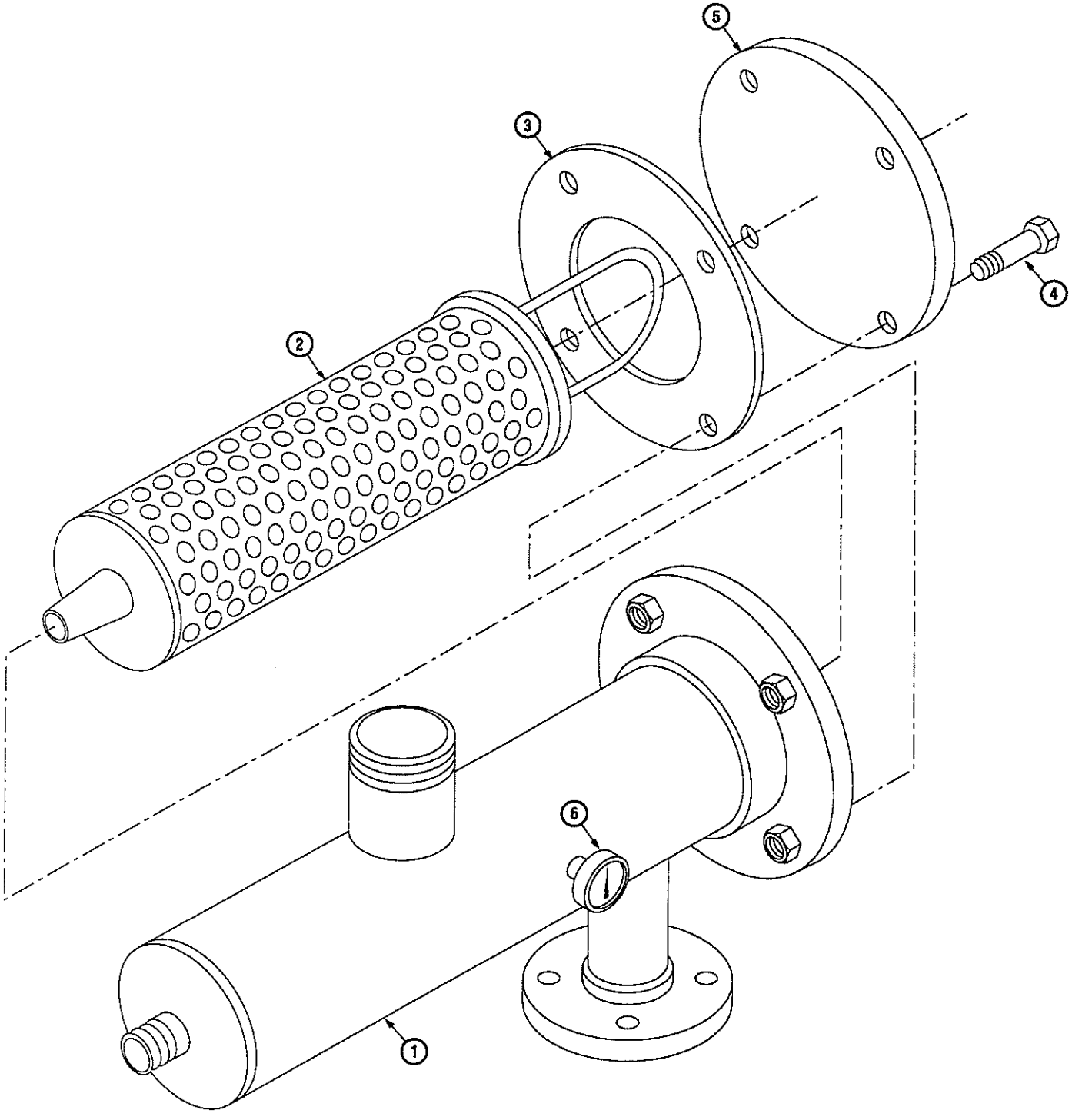


Figure 6. Self Cleaning Screen Assembly

Self Cleaning Screen Assembly

Call AMSCO Customer Service to Order Parts: 1-800-333-8848

ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY
1	117940-321	BODY, Self Cleaning Screen		1
2	117942-120	BASKET, Self Cleaning Screen		1
3	764324-398	GASKET, Teflon, 4" , 304 S/S	Taskline TL4000150	1
4	387340-733	SCREW, Hex Head Cap, 5/8" – 11 x 3-1/2" Lg, 304 S/S		4
5	910007-318	FLANGE, Blind, 150 lbs, 4" Pipe, 304 S/S		1
6	764324-481	GAUGE, Pump Pressure (Liquid Filled), 0-60 psig	7214	1

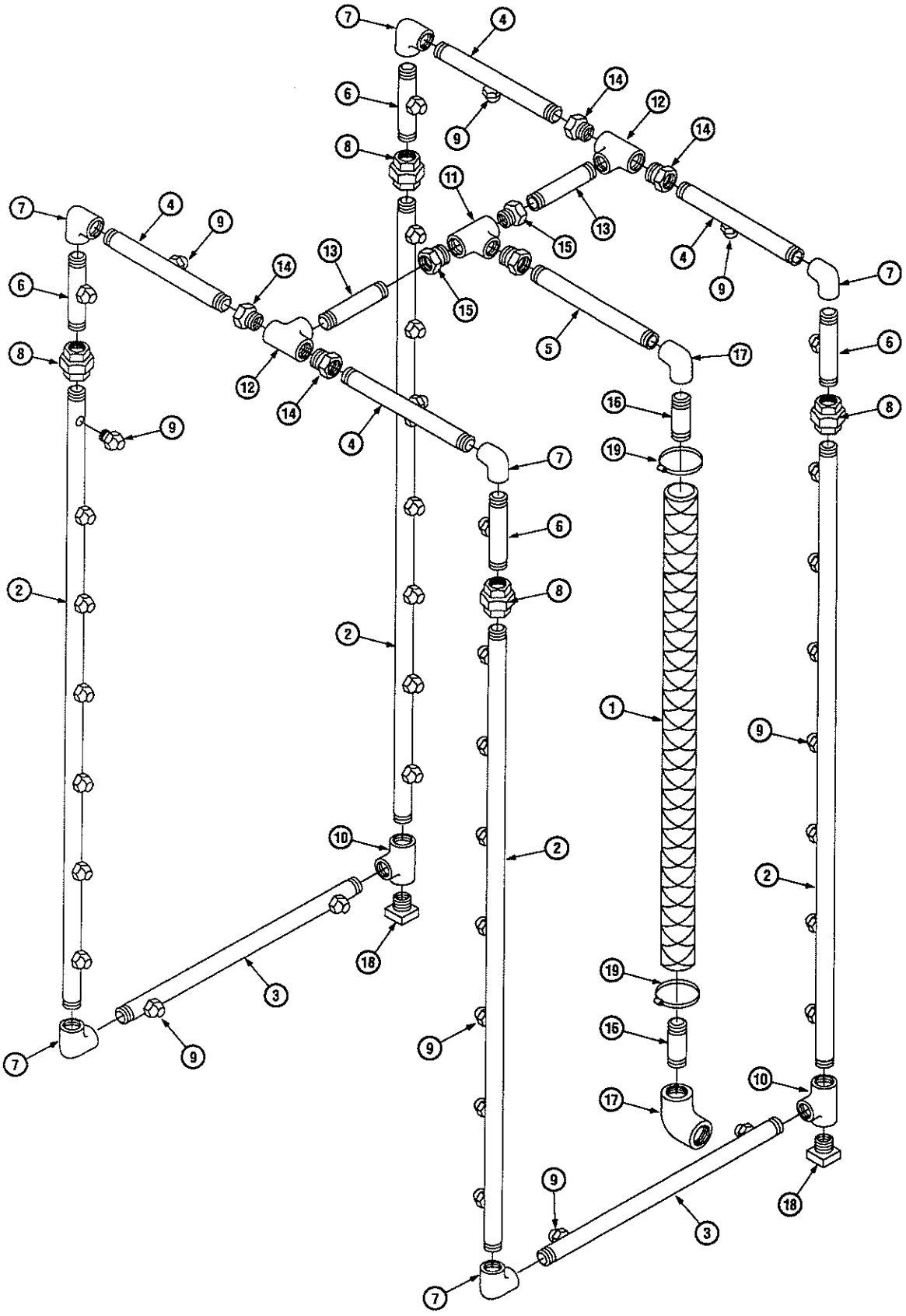


Figure 7. Spray Header Assembly

Spray Header Assembly

Call AMSCO Customer Service to Order Parts: 1-800-333-8848

ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY
1	R3500-982	HOSE, Water, 2-1/2" ID x 84" Lg		1
2	117990-206	SPRAY HEADER, Side		4
3	910001-206	HEADER, Bottom		2
4	910001-207	SPRAY HEADER, Top		4
5		PIPE, 2" DIA. x 25" Lg, S/S		1
6	910001-210	PIPE, Spray Header		4
7	317726-061	ELBOW, 1-1/4", 304 S/S		6
8	317728-061	UNION, 1-1/4", 304 S/S		4
9	910008-396	SPRAY JET, S/S	Broda 3/8", 5060 S/S	34
10	384473-061	TEE, 1-1/4", 304 S/S		2
11	316267-061	TEE, 2", 304 S/S		1
12	78850-061	TEE, 1-1/2" x 14-9/16" Lg, S/S		2
13		NIPPLE, 1-1/2" x 14-9/16" Lg, S/S		2
14	318839-061	BUSHING, Reducing, 1-1/2" x 1-1/4"		4
15	323168-061	BUSHING, Reducing, 2" x 1-1/2"		3
16		NIPPLE, Header		2
17	910007-298	ELBOW, 90°, 2" S/S		2
18	910007-282	PLUG, Pipe, 1-1/4" S/S		2
19	150822-109	CLAMP, Hose, 2-1/2" ID, S/S		2

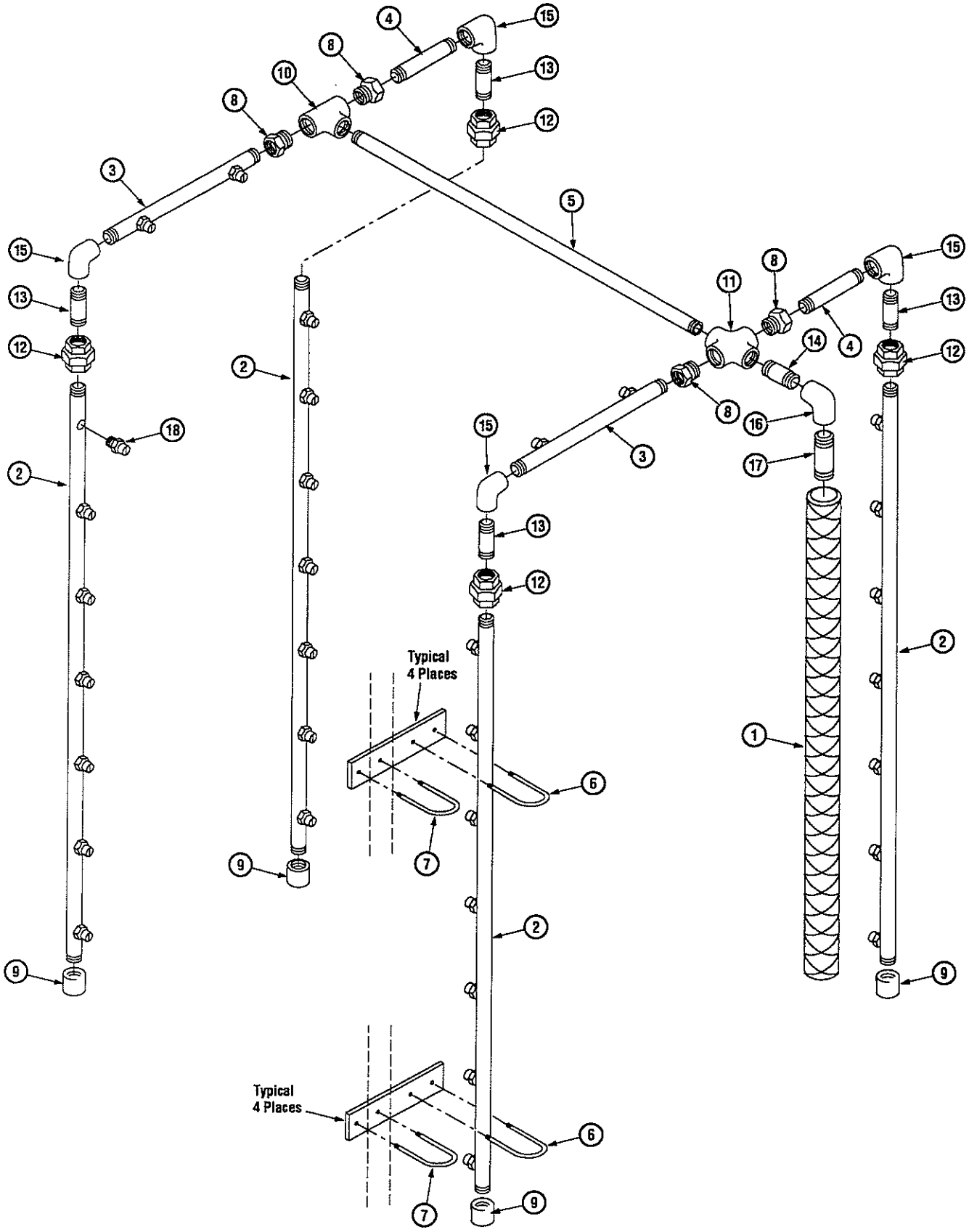


Figure 8. Optional Final Rinse Assembly

Optional Final Rinse Assembly

Call AMSCO Customer Service to Order Parts: 1-800-333-8848

ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY
1	R3500-986	HOSE, Final Rinse, 1-1/2" ID x 84" Lg		1
2		PIPE, Final Rinse		4
3		NIPPLE, 3/4" SCH 40 – 15-1/4" Lg, 304 S/S		2
4		NIPPLE, 3/4" SCH 40 – 5-3/8" Lg, 304 S/S		2
5		NIPPLE, 1" SCH 40 – 50" Lg, 304 S/S		1
6		U-BOLT, 3/4", 304 S/S		8
7	764324-504	U-BOLT, 1-1/4", 304 S/S		8
8	910007-286	BUSHING, Reducing, 1" – 3/4", 304 S/S		4
9	910007-283	END CAP, 3/4" NPT, 304 S/S		4
10	78820-061	TEE, 1" NPT, 304 S/S		1
11		CROSS, 1" NPT, 304 S/S		1
12	910007-289	UNION, 3/4" NPT, 304 S/S		4
13		CLOSE NIPPLE, 3/4" NPT, 304 S/S		4
14		CLOSE NIPPLE, 1" NPT, 304 S/S		1
15	910007-295	ELBOW, 90°, 3/4" NPT, 304 S/S		4
16	910007-296	ELBOW, 90°, 1" NPT, 304 S/S		1
17		HEADER NIPPLE		1
18	910006-078	JET, Final Rinse, 1/4" S/S		32

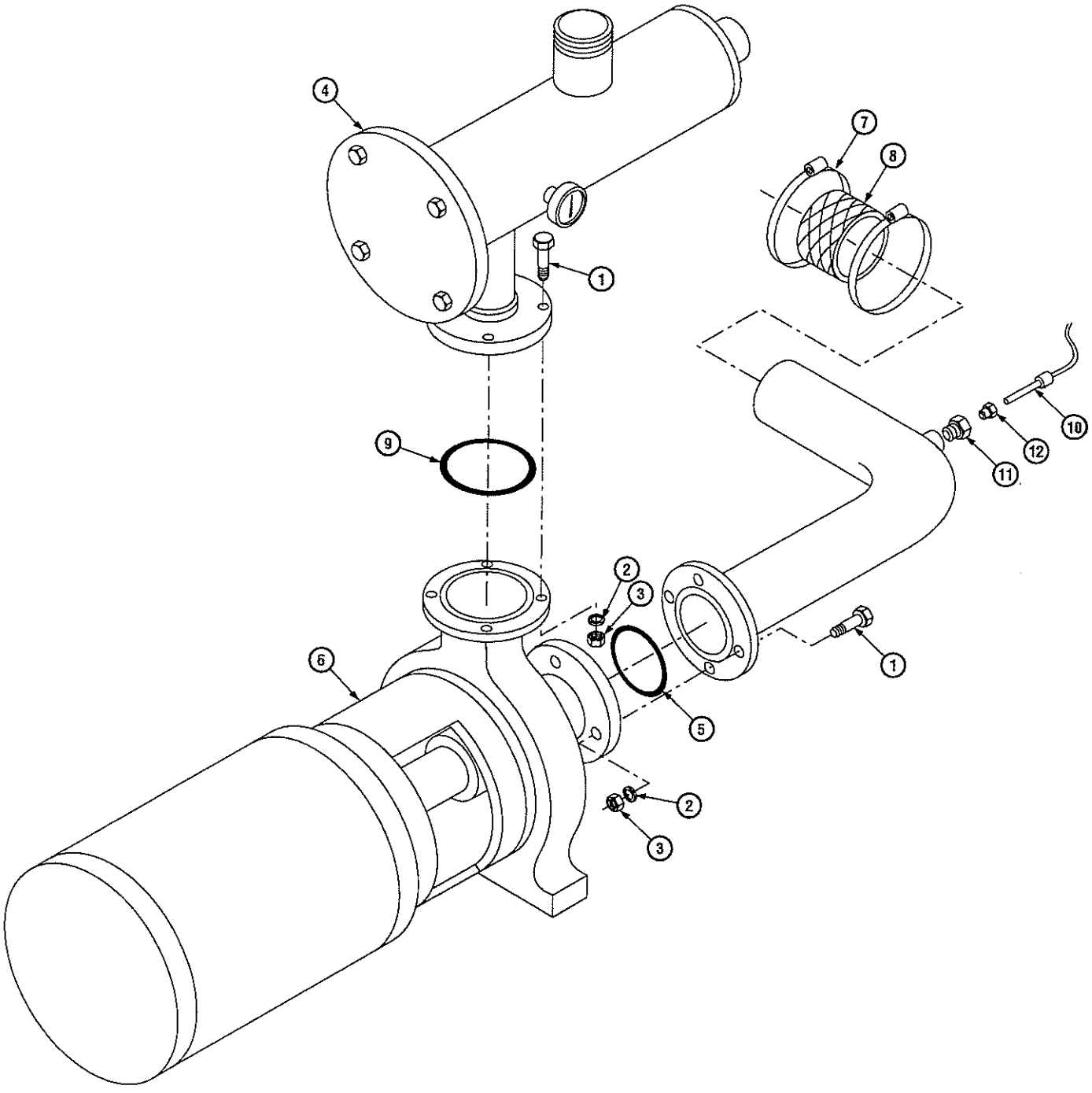


Figure 9. Pump and Motor Assembly

Pump and Motor Assembly

Call AMSCO Customer Service to Order Parts: 1-800-333-8848

ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY			
		10 HP PUMP AND MOTOR (Stainless Steel Pump)		X			
		15 HP PUMP AND MOTOR (Stainless Steel Pump)			X		
		10 HP PUMP AND MOTOR (Cast Iron Pump)				X	
		15 HP PUMP AND MOTOR (Cast Iron Pump)					X
1	387340-733	BOLT, Flange, 5/8 – 11 x 3-1/2" Lg, 304 S/S		8	8	8	8
2	19692-061	LOCK WASHER, 5/8", 304 S/S		8	8	8	8
3	32467-061	NUT, Flange, 5/8 – 11, 304 S/S		8	8	8	8
4	764324-398	GASKET, Self Cleaning Screen Flange – 4" ID	Taskline TL 400150	1	1	1	1
5	764324-400	GASKET, Pump Suction Pipe Flange – 3" ID	Taskline TL 300150	1	1	1	1
6	910042-012	S/S PUMP AND MOTOR ASSEMBLY		1	–	–	–
	910006-286	■ KIT, Pump End - Liquid	Worthington D1022, 3 x 2 x 6, 5.6" S/S IMP.	1	–	–	–
	910006-282	■ MOTOR, 10 HP	US Motors	1	–	–	–
	764324-534	■ ROTARY SEAT, Seal	Worthington P02891	1	1	–	–
	764324-536	■ STATIONARY SEAT, Seal	Worthington P02899	1	1	–	–
	910042-020	■ SNAP RING, S/S	Worthington 50503	1	1	1	1
	910042-019	■ KEY IMPELLER	Worthington 16762	1	1	1	1
	910042-014	■ IMPELLER, S/S	Worthington 959377 x 5.6" S/S Imp.	1	–	–	–
	910042-016	■ SHAFT SLEEVE	Worthington 960485-02	1	1	–	–

NOTE: List continued on page 29.

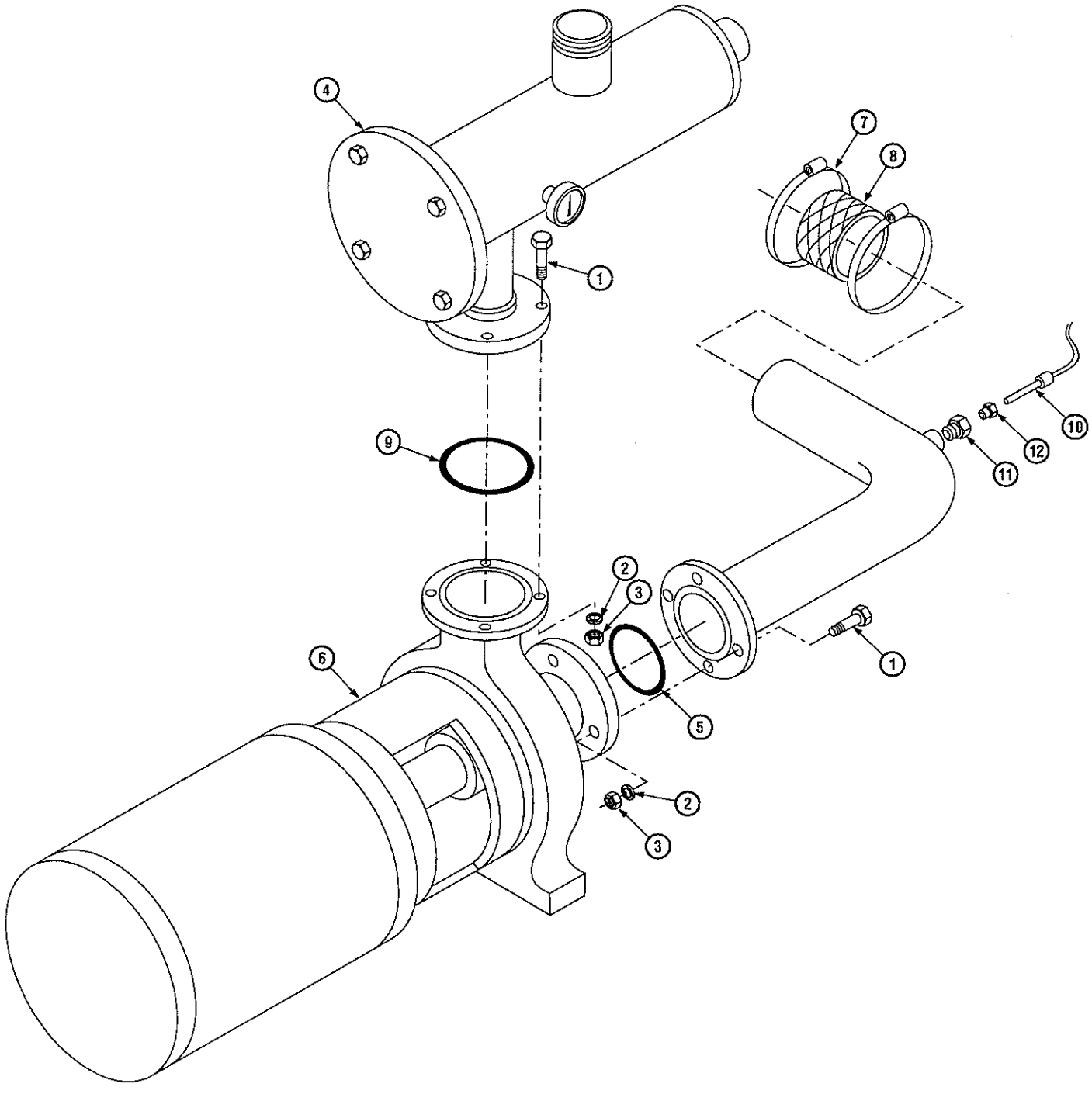


Figure 9. Pump and Motor Assembly (repeated)

Pump and Motor Assembly (continued)

Call AMSCO Customer Service to Order Parts: 1-800-333-8848

ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY			
		10 HP PUMP AND MOTOR (Stainless Steel Pump)		X			
		15 HP PUMP AND MOTOR (Stainless Steel Pump)			X		
		10 HP PUMP AND MOTOR (Cast Iron Pump)				X	
		15 HP PUMP AND MOTOR (Cast Iron Pump)					X
	910042-021	GASKET KIT		1	1		
		■ CASING GASKET	Worthington 390007-10				
		■ LOCK WASHER, Impeller	Worthington 390035				
		■ GASKET, Impeller Screw	Worthington P02737-00				
		■ GASKET, Impeller Lock Washer	Worthington 390038-10				
		■ GASKET, Outer Sleeve	Worthington 389033-00				
		■ O-RING, Shaft Sleeve	Worthington P02066-00				
	910042-013	S/S PUMP AND MOTOR ASSEMBLY		–	1	–	–
	910006-285	■ KIT, Pump End - Liquid	Worthington D1022, 3 x 2 x 6, 5.9" S/S Imp.	–	1	–	–
	910006-281	■ MOTOR, 15 HP		–	1	–	–
	910042-015	■ IMPELLER, S/S	Worthington 959377 x 5.9" S/S Imp.	–	1	–	–
	910042-002	C/I PUMP AND MOTOR ASSEMBLY		–	–	1	–
	910006-287	■ KIT, Pump End - Liquid	Worthington D824, 3 x 2 x 5, 5.2" C/I Imp.	–	–	1	–
	910006-283	■ MOTOR, 10 HP		–	–	1	–
	910042-008	■ ROTARY SEAT, Seal	Worthington P02886	–	–	1	1
	764324-535	■ STATIONARY SEAT, Seal	Worthington P02898	–	–	1	1
	910042-009	■ IMPELLER, C/I	Worthington 954021, 75 x 5.2" C/I Imp.	–	–	1	–

NOTE: List continued on page 31.

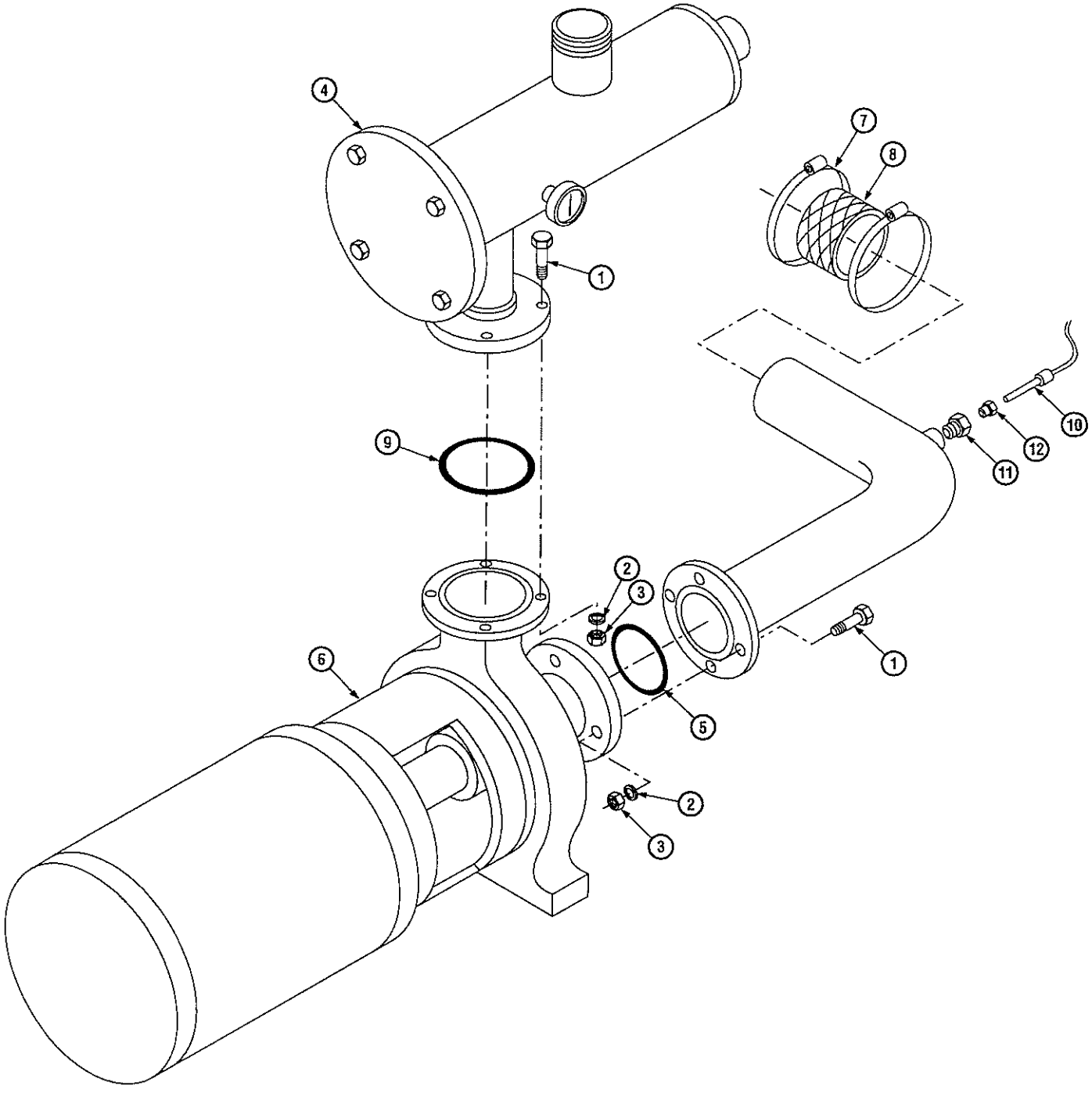


Figure 9. Pump and Motor Assembly (repeated)

Pump and Motor Assembly (continued)

Call AMSCO Customer Service to Order Parts: 1-800-333-8848

ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY			
		10 HP PUMP AND MOTOR (Stainless Steel Pump)		X			
		15 HP PUMP AND MOTOR (Stainless Steel Pump)			X		
		10 HP PUMP AND MOTOR (Cast Iron Pump)				X	
		15 HP PUMP AND MOTOR (Cast Iron Pump)					X
	910042-001	C/I PUMP AND MOTOR ASSEMBLY		–	–	–	1
	910006-288	■ KIT, Pump End - Liquid	Worthington D824, 3 x 2 x 6, 5.9" C/I Imp.	–	–	–	1
	910006-284	■ MOTOR, 15 HP		–	–	–	1
	910042-003	■ IMPELLER, C/I	Worthington 953551, 75 x 5.9" C/I Imp.	–	–	–	1
	910042-011	GASKET KIT	Worthington OGASKT-12	–	–	1	1
		■ SCREW, Impeller	Worthington 809649-00				
		■ WASHER, Impeller	Worthington 390416-00				
		■ GASKET, Screw Impeller	Worthington P02736-00				
		■ GASKET, Impeller-Washer	Worthington 390036-10				
		■ GASKET, Shaft Sleeve	Worthington 389013-10				
		■ GASKET, O-ring	Worthington P02065-00				
		■ GASKET, Casing	Worthington 390006-10				
		■ GASKET, Casing	Worthington 390007-10				
7	117950-792	CLAMP, Hose, Outside Pump Suction, 3-3/4" S/S		2	2	2	2
8	R3500-983	HOSE, Outside Pump Suction	Gates 3-1/2" ID x 4" Lg	1	1	1	1
9	764324-399	GASKET, Pump Suction 2"	Taskline TL 200150				
10	136805-018	RTD ASSEMBLY		1	1	1	1
11	77258-061	BUSHING, 1/4" NPT x 1/8" NPT, S/S		1	1	1	1
12	910006-278	FITTING, Nylon Compression, 1/8" NPT	Swage Lock NY-200-1-2BT	1	1	1	1

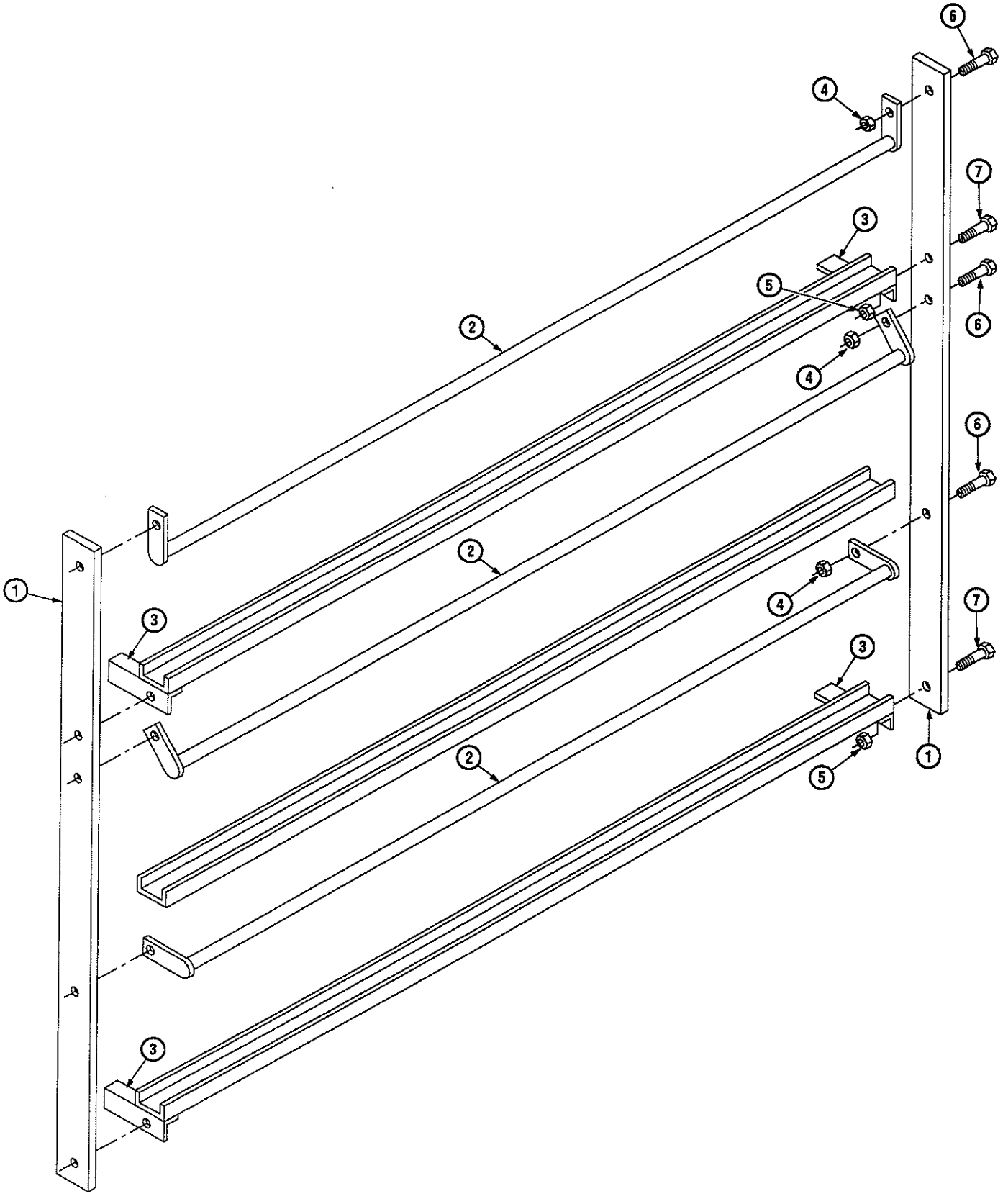


Figure 10. Optional Pan Rack Assembly

Optional Pan Rack Assembly

Call AMSCO Customer Service to Order Parts: 1-800-333-8848

ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY
1	117990-535	FRAME, Pan Rack, 304 S/S		2
2	117941-527	FRAME, Pan Rack, 304 S/S		3
3	117990-536	FRAME, Pan Rack, 304 S/S		4
4		LOCKNUT, ESNA, 3/8 – 16 UNC, 304 S/S		6
5	36545-061	NUT, Fin Hex, 5/16 – 18 UNC, 304 S/S		4
6	764315-624	SCREW, Hex Head Cap, 3/8 – 16 x 1" Lg, S/S		6
7	150475-586	SCREW, Hex Head Cap, 5/16 – 18 x 1" Lg, S/S		4

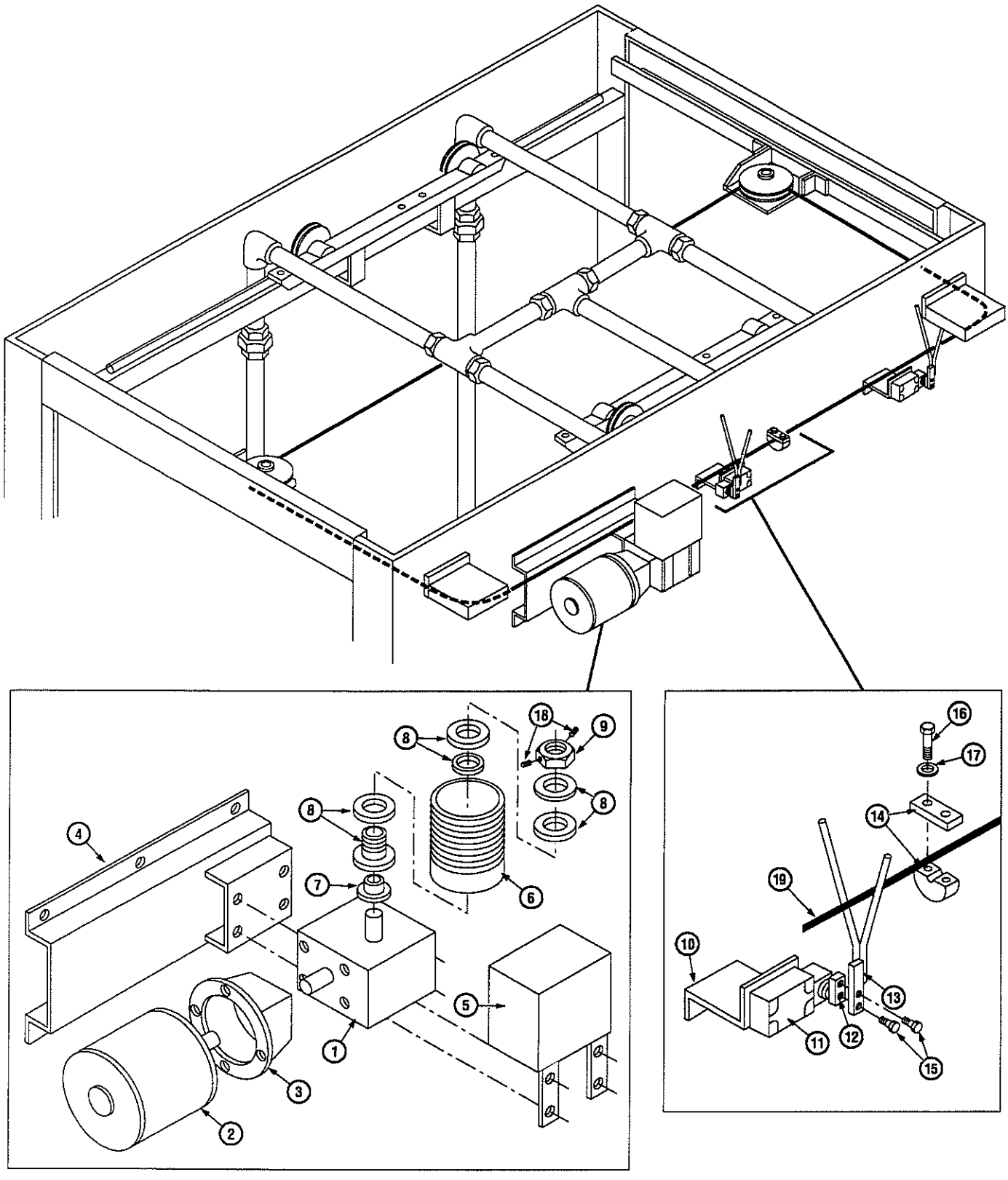
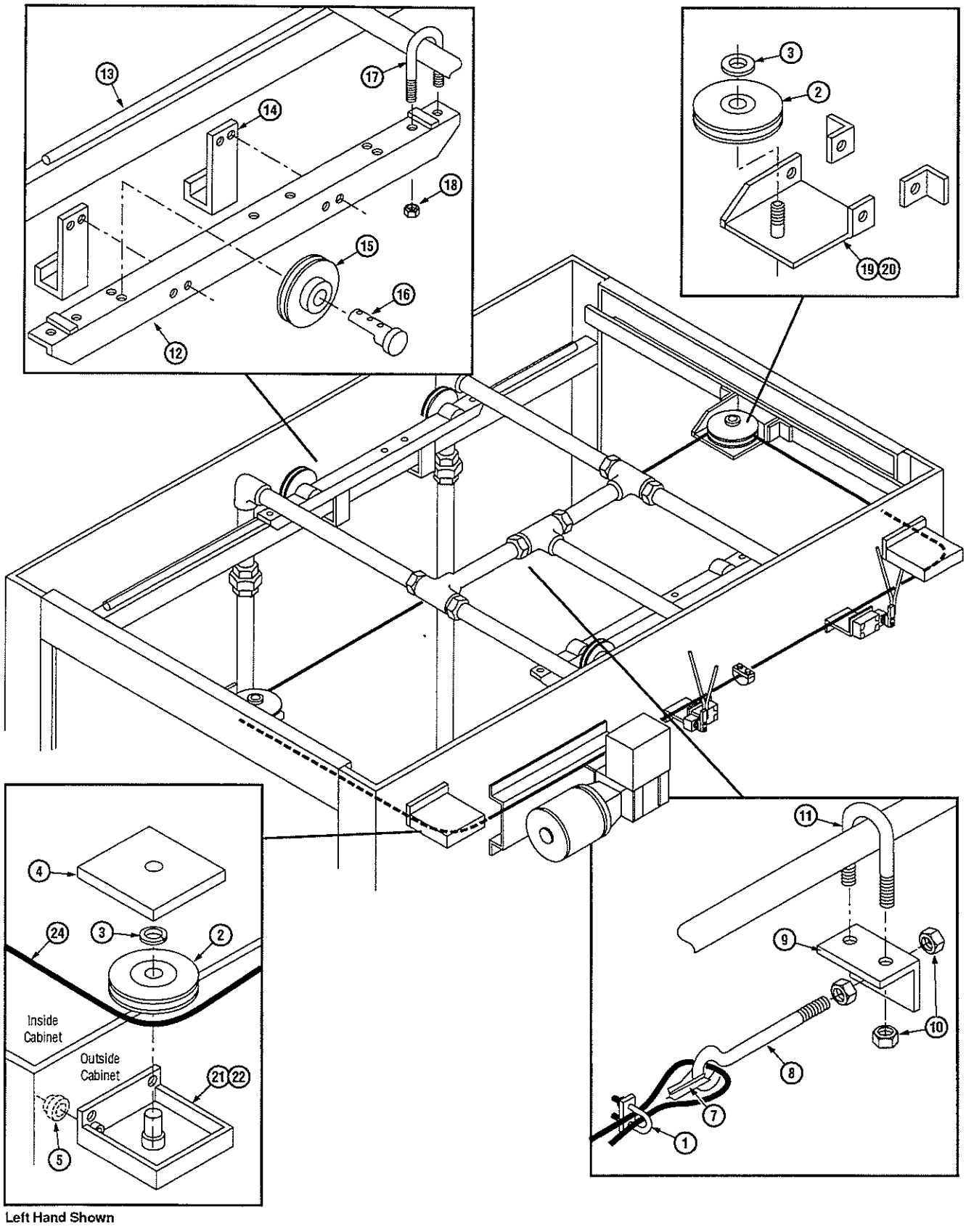


Figure 11. Traveler Drive and Limit Switch Assemblies

Traveler Drive and Limit Switch Assemblies

Call AMSCO Customer Service to Order Parts: 1-800-333-8848

ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY
1	910006-071	GEAR BOX, Carriage Drive System	Ohio Gear B-2175-60	1
2	910006-070	MOTOR, Carriage Drive	US Motors F006	1
3	910006-092	BELL MOUNT, Carriage Drive	Ohio Gear 392256A	1
4	117940-323	DRIVE MOUNT		1
5	117940-227	GUARD, Capstan		1
6	910001-212	CAPSTAN		1
7	117940-325	SPACER, Capstan		1
8	764324-320	CLUTCH, Carriage Drive	Dalton OSD-337-7/8	1
9	117940-324	NUT, Clutch Adjustment		1
10	117940-271	SUPPORT, Limit Switch		1
11	117951-091	LIMIT SWITCH, Drive	Allen Bradley 802T-H	2
12	117951-090	ACTUATOR, Limit Switch Drive	Allen Bradley 802T-W3	2
13	910007-101	DRIVE, Limit Switch Assembly		2
14	117940-690	CLAMP, Drive Cable	Basil A4600-223	1
15	129362-804	SCREW, Hex Cap, 10 – 30 x 1/2", S/S		2
16	81667-008	SCREW, Hex Head, 1/4 – 20 x 1" Lg, S/S		2
17	129353-292	LOCKWASHER, 1/4" S/S		2
18	38900-061	SCREW, Set Socket Head, 1/4 – 20 x 3/8" Lg, S/S		2
19	R4006-011	ROPE, 3/16" S/S Wire, 30'		1



Left Hand Shown

Figure 12. Cable and Roller Assemblies

Cable and Roller Assemblies

Call AMSCO Customer Service to Order Parts: 1-800-333-8848

ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY
1	910009-059	CABLE CLAMP, 3/16" DIA.		2
2	117940-252	ROLLER, Drive	Basil A4600-208	4
3	910006-090	RING, Retaining	Truarc 5100-75H	4
4	910001-167	SUPPORT COVER, Outside Roller		2
5	117940-346	GUIDE, Cable		2
6		NOT USED		
7	910006-123	THIMBLE, S/S, for 3/16" DIA. Cable	McMaster Carr 3868TT44	2
8	910001-353	EYE BOLT, Drive Cable		2
9	910001-197	ANCHOR BRACKET, Drive Cable		2
10	24496-061	NUT, 3/8" – 16 S/S		8
11	764324-504	U-BOLT, 1-1/4" S/S		2
12	117940-647	ANGLE, Carriage		2
13	910001-186	TRACK WELDMENT ASSEMBLY		2
14	910001-239	HOLD DOWN, Carriage		4
15	117940-651	ROLLER, Carriage	Basil A4600-215	4
16	117940-648	PIN, Carriage Roller		4
17	764324-503	U-BOLT, 1-1/2" S/S		4
18	76239-061	NUT, 1/4" – 20 S/S		10
19	117940-251	INSIDE ROLLER DRIVE ASSEMBLY, L.H.	Basil C4600-10R	1
20	117940-250	INSIDE ROLLER DRIVE ASSEMBLY, R.H.	Basil C4600-10L	1
21	117940-230	OUTSIDE ROLLER DRIVE ASSEMBLY, R.H.		1
22	117940-231	OUTSIDE DRIVE ROLLER ASSEMBLY, L.H.	Basil C4600-9	1
23		NOT USED		
24	R4006-011	ROPE, 3/16" S/S Wire, 30'		1

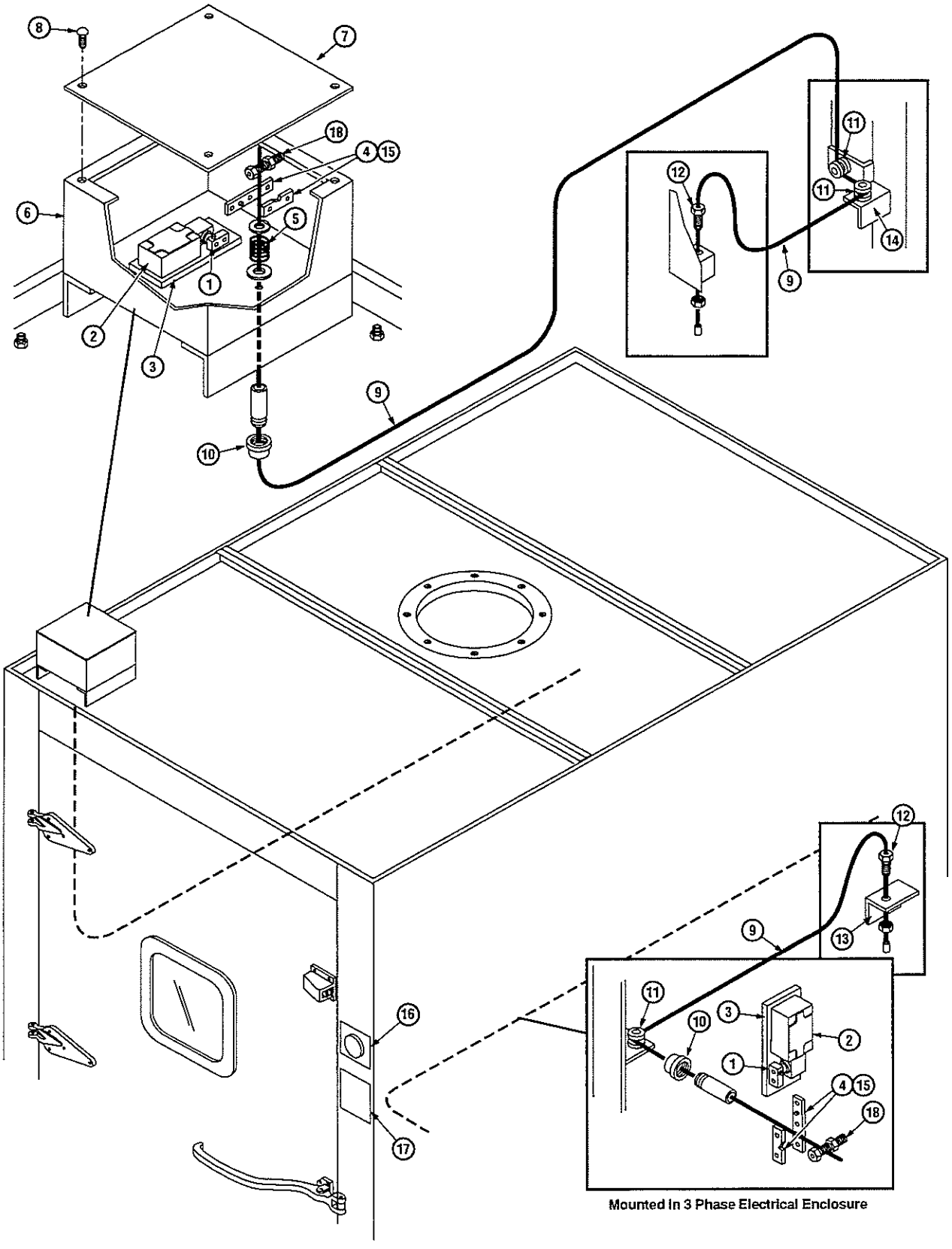


Figure 13. Carriage Safety Switch Assembly

Carriage Safety Switch Assembly

Call AMSCO Customer Service to Order Parts: 1-800-333-8848

ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY
1	117951-090	ACTUATOR, Limit Switch, Drive and Emergency Cable	Allen Bradley 802T-W3	1
2	117951-091	LIMIT SWITCH, Safety Emergency Cable	Allen Bradley 802T-H	1
3	910001-001	MOUNT, Safety Switch		1
4	117940-333	CABLE ARM, Safety	Basil A4600-286	2
5	117940-334	SPRING, Safety Switch	Basil A4600-291	1
6	117940-299	SAFETY SWITCH BOX, Body		1
7	910001-161	SAFETY SWITCH BOX, Top		1
8	708535-001	BOLT, Hex, 10 – 32 UNC x 1/2"		4
9	910006-296*	WIRE ROPE, S/S, Red Nylon Coated, 103"	McMaster Carr 3420T352	A/N
10	910007-107	PIPE CAP, Safety Cable		2
11	117940-336	ROLLER, Safety Cable	Basil A4600-290	3
12	117940-337	BOLT, Safety Cable	Basil A4600-289	2
13	117940-332	BRACKET, Safety Cable		1
14	910001-381	MOUNT, Safety Cable Roller		1
15	51067-061	SCREW, Round Hd. Slot Machine, 10 – 32 x 3/8" Lg		4
16	910006-141	PUSHBUTTON, Safety		1
		SCREW, Round Hd., Machine S/S, 10 – 24 x 1-1/4" (Not Shown)		4
		NUT, Hex Head, S/S, 10 – 24 (Not Shown)		4
17	117956-654	LABEL, Push/Pull Safety Switch		1
18	117950-247	CABLE CLAMP		2

* If Safety Cable required is not the length listed above, provide AMSCO with exact length of cable needed.

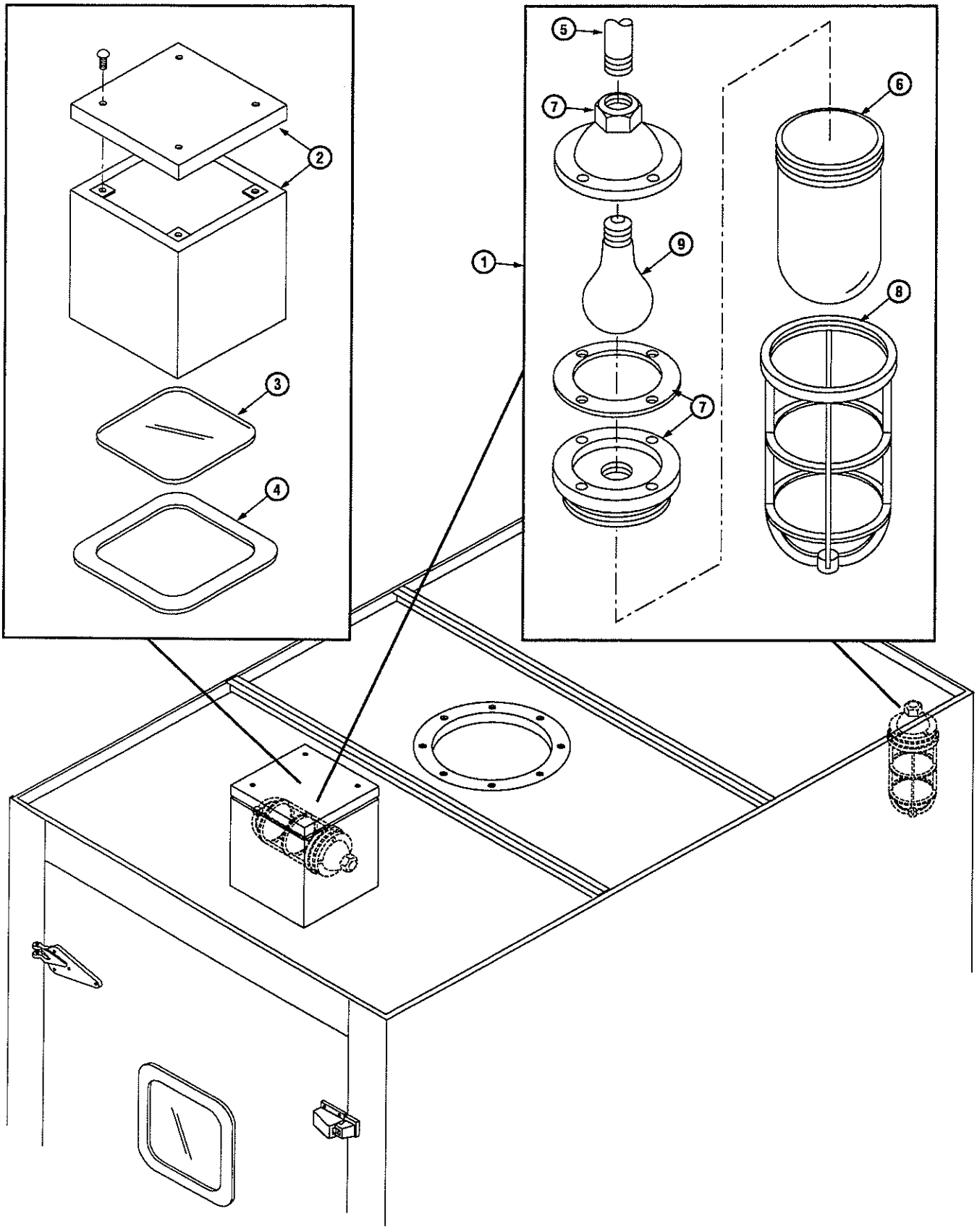


Figure 14. Sky Light Assembly

Sky Light Assembly

Call AMSCO Customer Service to Order Parts: 1-800-333-8848							
ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY			
1	910006-336	ASSEMBLY	Killark NVA15GHG	2			
2	C4600-1432	ENCLOSURE BOX, Sky Light		1			
3	117940-294	WINDOW		1			
4	117940-139	GASKET, Window, Neoprene, 4' Lg		1			
5	910006-778	NIPPLE, Close, 1/2" NPT, S/S		2			
6	761681-001	GLOBE, Glass, 100 WATT	Killark VCGP-100	2			
7	763632-002	FIXTURE, Cap	Killark VFC-100	2			
8	763632-004	PROTECTOR, Globe, 100 WATT	Killark VAG-100	2			
9	117954-606	BULB, Rough Service, 75 WATT		2			

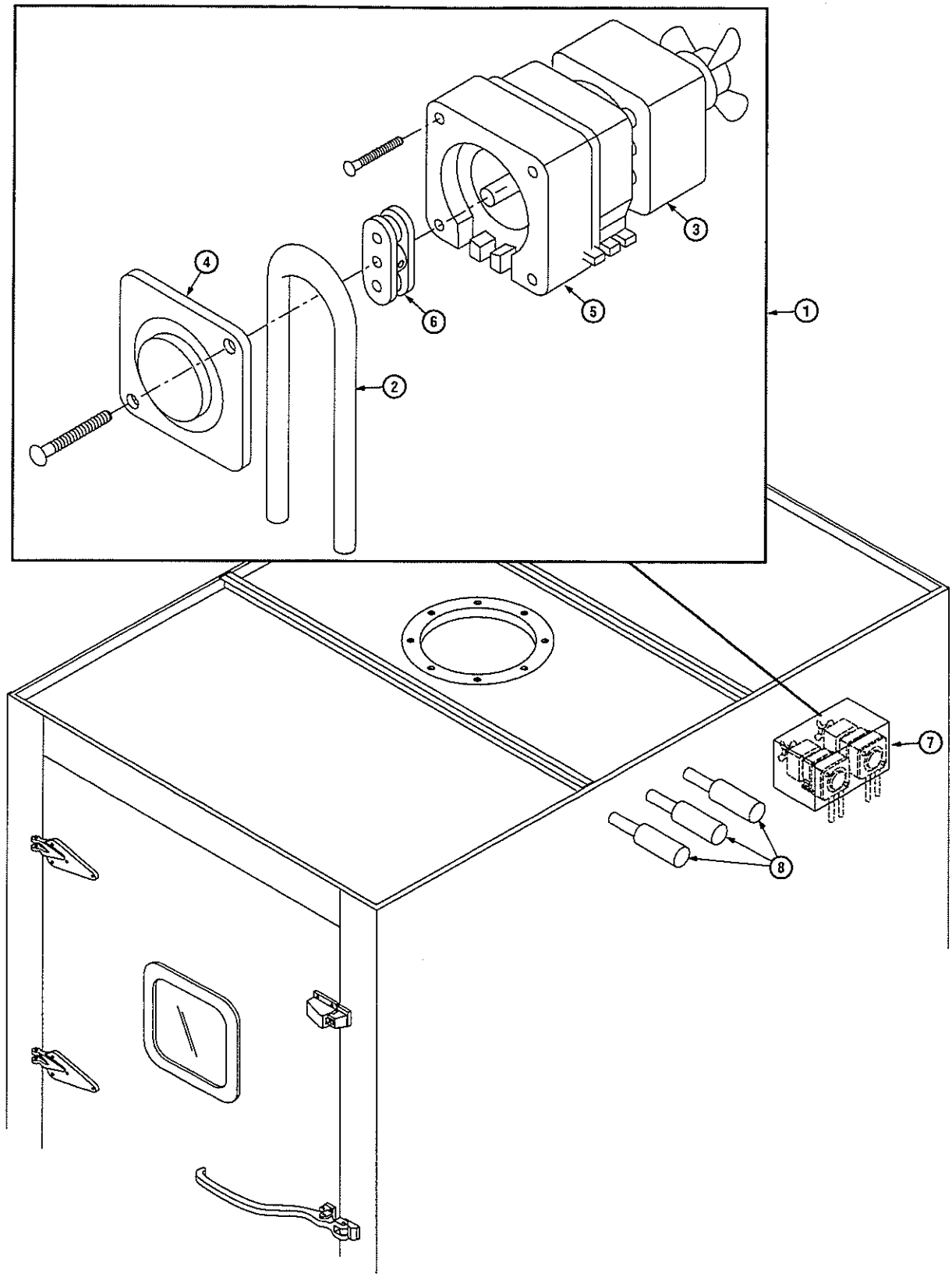


Figure 15. Peristaltic Pump Assembly

Peristaltic Pump Assembly

Call AMSCO Customer Service to Order Parts: 1-800-333-8848

ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY
1	117950-582	PUMP	Knight KP-8120BX	2
2	117950-583	TUBE, Squeeze	Dungey TU211	1
3	117950-585	MOTOR, Pump	Knight 7010374	1
4	117950-600	COVER, Pump	Knight 7630330	1
5	117950-602	KIT, Head	Knight 7630300	1
6	117950-601	ROLLER BLOCK ASSEMBLY	Knight 7633333	1
7		ENCLOSURE, Two Pump	Spring & Buckley 65-661	1
	910006-280	ENCLOSURE, Single Pump	Spring & Buckley 51-866	
	764326-142	TUBING, 3/8" OD, 25' (Not Shown)		1
	117950-599	LUBRICANT, Silicone, Tube		A/R
8	117940-274	EXTENSION, Detergent Injection		1

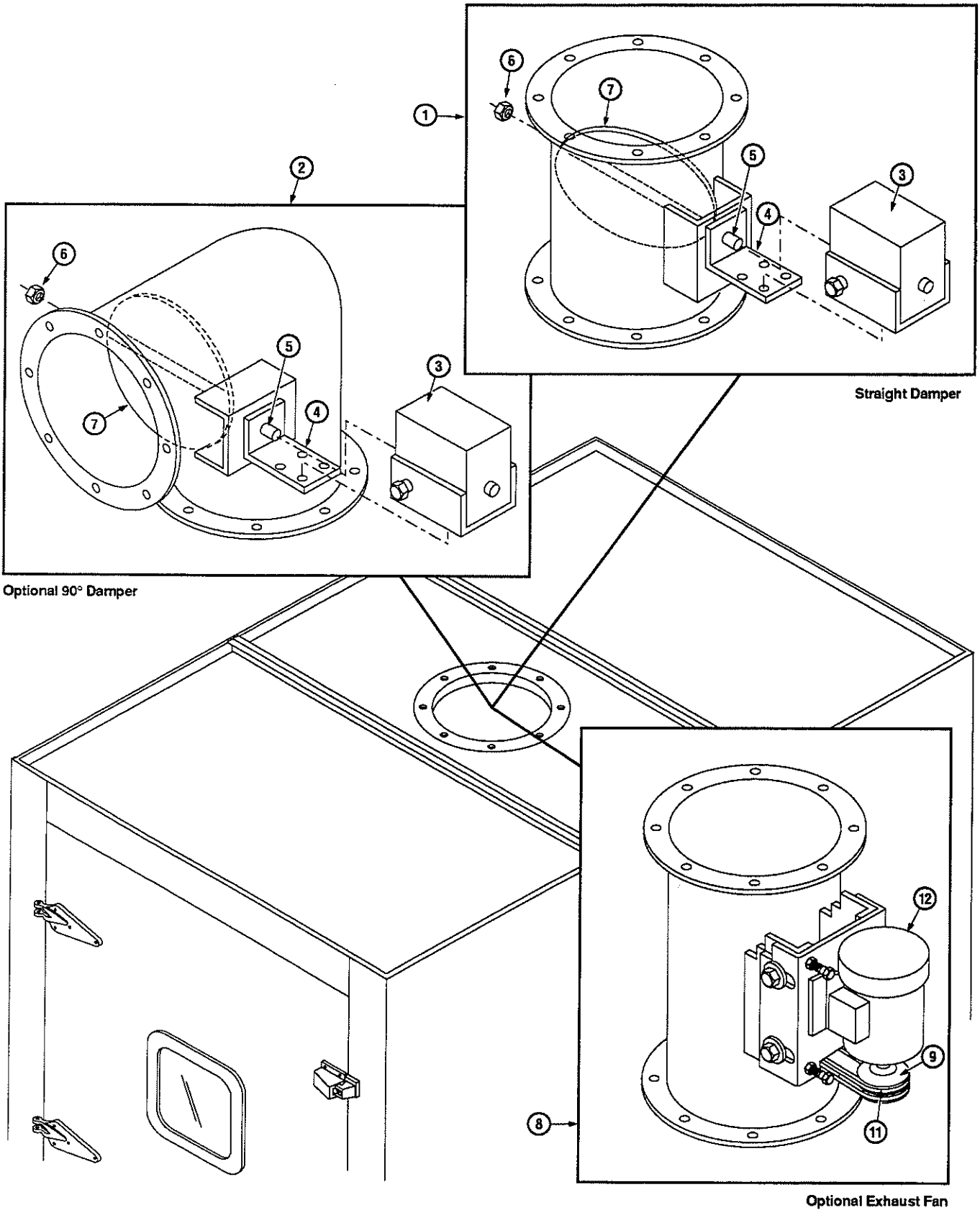


Figure 16. Damper and Optional Exhaust Fan Assemblies

Damper and Optional Exhaust Fan Assemblies

Call AMSCO Customer Service to Order Parts: 1-800-333-8848

ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY
1	117941-650	DAMPER ASSEMBLY		1
2	117941-768	DAMPER ASSEMBLY, Optional 90°		1
3	764324-445	MOTOR, Damper	Honeywell M436A1116	1
4	910001-152	MOUNT, Damper		1
5		ROD, 3/8" DIA. x 14" Lg, 304 S/S		1
6	24496-061	NUT, Fin Hex Head, 3/8 – 16, 304 S/S		1
7	910001-403	DAMPER		1
8	910042-028	FAN, Exhaust	Cincinnati Blower WAF-12-4-30	1
9	910042-029	SHEAVE, Motor	Cincinnati Blower AK-39H	1
10	910042-030	SHEAVE, Fan	Cincinnati Blower AS-28 x 1	1
11	910042-031	BELT, Fan	Cincinnati Blower A-33	2
12	910006-086	MOTOR, Fan, 1/3 HP	US Motors F004	1
	R5300-567	SILICONE, Clear		A/R
	764324-486	SILICONE, Silver		A/R
	910008-226	GREASE, Fitting, 1/8" NPT Male (Not Shown)		
	910008-485	FITTING, Bulk Head (Not Shown)		
	910008-494	TUBING, Polypropylene (Not Shown)		
	117951-457	GREASE		

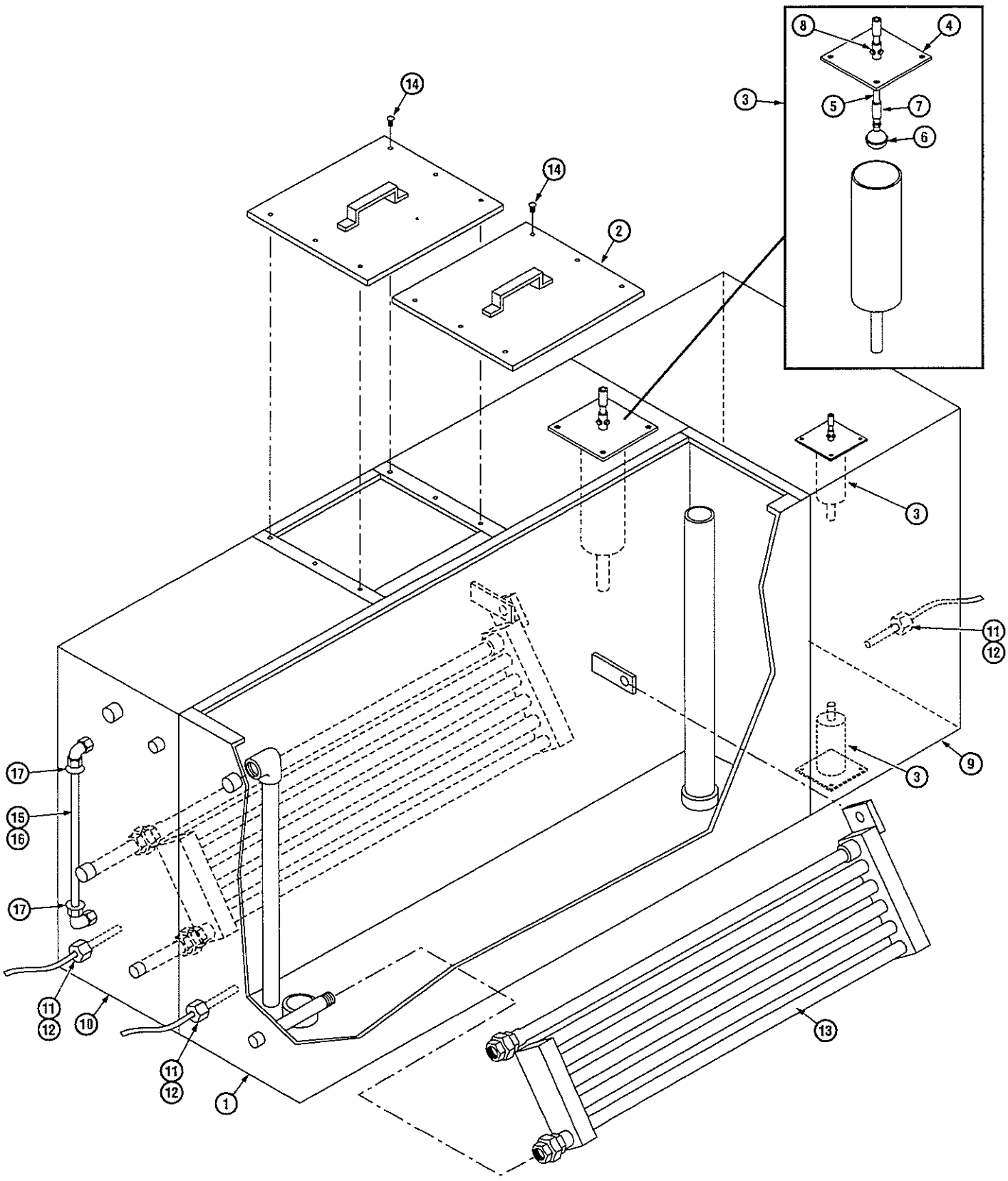


Figure 17. Tank Assemblies – 4600 Models Only

Tank Assemblies – 4600 Models Only

Call AMSCO Customer Service to Order Parts: 1-800-333-8848

ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY			
		ALKALINE DETERGENT TANK		X			
		OPTIONAL ACID DETERGENT TANK			X		
		OPTIONAL COOL DOWN TANK				X	
1	*	TANK BODY, Alkaline Detergent		1	–	–	
2	*	COVER TANK		1	1	–	
3	B4600-68	FLOAT ASSEMBLY		1	1	2	
4	117941-140	COVER, Float		1	1	2	
5		PIPE, 1/4" SCH. 40 – 6" Lg, 304 S/S		1	1	2	
6	764324-406	LEVEL SWITCH	Gems 26717-100	1	1	2	
7	910006-816	COUPLING, Full, 1/4" NPT, 304 S/S		1	1	2	
8	150473-146	SCREW, Hex HD Cap, 10 – 32 x 1/2", S/S		1	1	2	
9	*	TANK BODY, Optional Cool Down		–	–	1	
10	*	TANK BODY, Optional Acid Detergent		–	1	–	
11	93910-636	RTD		1	1	1	
12	910006-278	COMPRESSION FITTING, Nylon, 1/8" NPT RTD	Swage Lock NY-200-1-2BT	1	1	1	
13	*	HEATING COIL, Tank		1	1	–	
14	150473-156	SCREW, Truss HD Machine, 1/4 – 20 x 1/2" Lg, S/S		6	6	–	
15	764324-492	SIGHT GLASS, Glass Tube, 24"		1	1	–	
	117942-398	SIGHT GLASS, Glass Tube, 33" (for units with 3 side tanks)		1	1	1	
16	764324-477	ELBOW, Parker Male		2	2	–	
17	764324-521	O-RING	National #AS114	2	2	2	

* Must Contact AMSCO Service Engineering department.

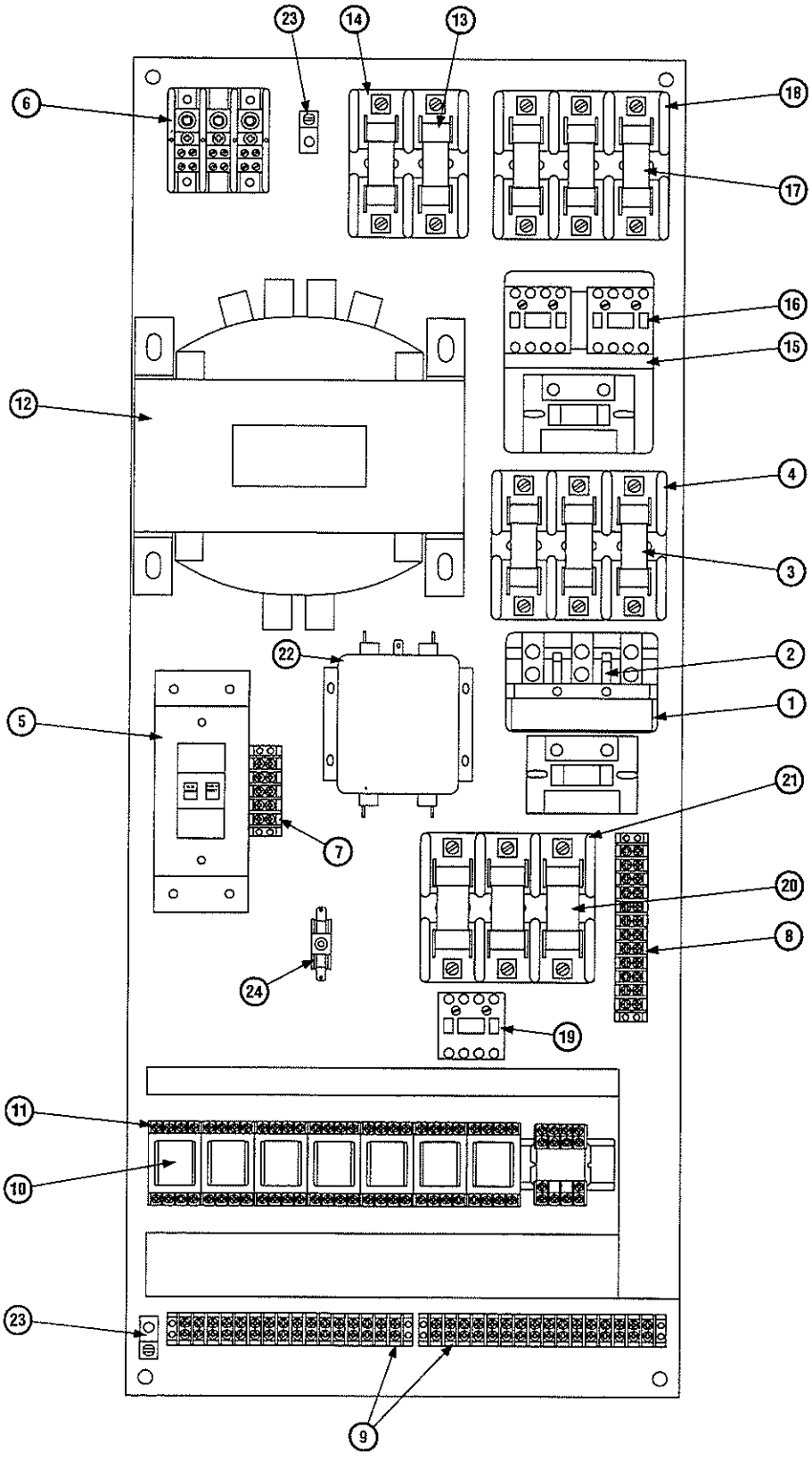


Figure 18. 3000 Control Column Assembly – Electrical Box

3000 Control Column Assembly – Electrical Box

Call AMSCO Customer Service to Order Parts: 1-800-333-8848

ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY					
		15 HP TREATMENT PUMP, 3/460 V		X					
		10 HP TREATMENT PUMP, 3/208 V			X				
		10 HP TREATMENT PUMP, 3/230 V				X			
		10 HP TREATMENT PUMP, 3/460 V					X		
		15 HP TREATMENT PUMP, 3/208 V						X	
		15 HP TREATMENT PUMP, 3/230 V							X
1	117958-969	MOTOR STARTER, Treatment Pump	Allen Bradley 509-COD-2	1	1	–	–	–	1
	117950-091	MOTOR STARTER, Treatment Pump	Allen Bradley 509-BOD-1	–	–	1	–	–	–
	910006-049	MOTOR STARTER, Treatment Pump	Allen Bradley 509-DOD-3	–	–	–	1	–	–
2	117951-041	HEATER, Motor Starter, Treatment Pump	Allen Bradley W-55	–	–	3	–	–	–
	910006-266	HEATER, Motor Starter, Treatment Pump	Allen Bradley W-60	–	–	–	–	–	3
	910006-040	HEATER, Motor Starter, Treatment Pump	Allen Bradley W-63	–	3	–	–	–	–
	910006-267	HEATER, Motor Starter, Treatment Pump	Allen Bradley W-67	–	–	–	–	3	–
	910006-268	HEATER, Motor Starter, Treatment Pump	Allen Bradley W-68	–	–	–	3	–	–
	910006-041	HEATER, Motor Starter, Treatment Pump	Allen Bradley W-64	3	–	–	–	–	–
3	910006-063	FUSE, Treatment Pump	Buss LPJ 25	–	–	–	3	–	–
	910006-065	FUSE, Treatment Pump	Buss LPJ 40	3	–	–	–	–	–
	910006-066	FUSE, Treatment Pump	Buss LPJ 45	–	3	3	–	–	–
	910006-068	FUSE, Treatment Pump	Buss LPJ 80	–	–	–	–	–	3
	910006-069	FUSE, Treatment Pump	Buss LPJ 90	–	–	–	–	3	–
4	910006-046	FUSE BLOCK, 31-60A, Treatment Pump	Buss J600-60-3CR	1	1	–	–	–	1
	910006-047	FUSE BLOCK, 61-100A, Treatment Pump	Buss J601-00-3CR	–	–	–	1	1	–
	910006-044	FUSE BLOCK, 1/2-30A, Treatment Pump	Buss J600-30-2CR	–	–	–	–	–	–
	910006-045	FUSE BLOCK, 1/2-30A, Treatment Pump	Buss J600-30-3CR	–	–	1	–	–	–
5	910006-085	GROUND FAULT INTERUPTER	Hubbel GF5350-1	1	1	1	1	1	1
6	910006-097	TERMINAL BLOCK, 3 Pole	Marathon 1423570	1	1	1	1	1	1
7	910006-099	TERMINAL STRIP, 5 Position	Marathon 105	1	1	1	1	1	1
8	910006-100	TERMINAL STRIP, 12 Position	Marathon 112	2	2	2	2	2	2
9	910006-101	TERMINAL STRIP, 16 Position	Marathon 116	3	3	3	3	3	3

NOTE: List continued on page 51.

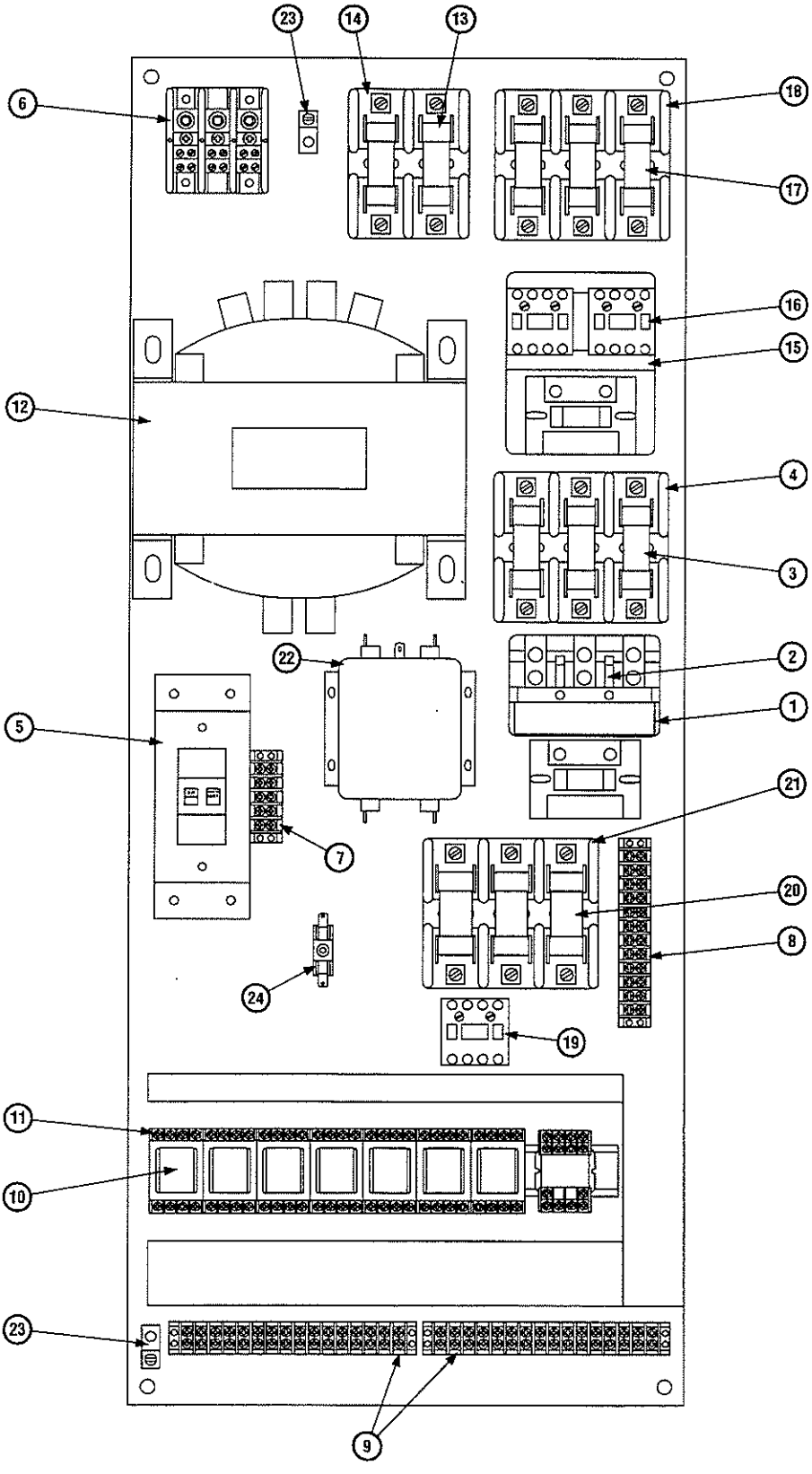


Figure 18. 3000 Control Column Assembly – Electrical Box (repeated)

3000 Control Column Assembly – Electrical Box (continued)

Call AMSCO Customer Service to Order Parts: 1-800-333-8848

ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY					
		15 HP TREATMENT PUMP, 3/460 V		X					
		10 HP TREATMENT PUMP, 3/208 V			X				
		10 HP TREATMENT PUMP, 3/230 V				X			
		10 HP TREATMENT PUMP, 3/460 V					X		
		15 HP TREATMENT PUMP, 3/208 V						X	
		15 HP TREATMENT PUMP, 3/230 V							X
10	910006-121	RELAY, 120V DPDT	Potter Brumfield KRPA-11AG-120	*	*	*	*	*	*
	910009-137	RELAY, 120V DPDT	Allen Bradley 700-HA32A1-120V	*	*	*	*	*	*
11	910006-122	RELAY SOCKET	Potter Brumfield 27E891	*	*	*	*	*	*
	910009-138	RELAY SOCKET	Allen Bradley 700-HN100	*	*	*	*	*	*
12	910006-127	TRANSFORMER, 208V - 230V	Heviduty Y 1500 Form P	–	1	1	–	1	1
	910006-128	TRANSFORMER, 2 KVA-460V - 480V	Heviduty Y 2000 Form P	1	–	–	1	–	–
	910006-129	TRANSFORMER, 1.5 KVA-460V - 480V	Heviduty Y 1500	1	–	–	1	–	–
	910006-130	TRANSFORMER, 2 KVA-460V or 230V or 208V	Heviduty 2 KVA	1	1	1	1	1	1
	910006-131	TRANSFORMER, 8.3A, Screw Clamp	Heviduty 8.3 AMP Max E 1100	–	1	1	–	1	1
13	910006-125	FUSE, Secondary of Transformer	Buss ABC-20 AMP	*	*	*	*	*	*
	910006-126	FUSE, Secondary of Transformer	Buss ABC-25 AMP	*	*	*	*	*	*
	910006-060	FUSE, Secondary of Transformer	Buss LPJ15	*	*	*	*	*	*
		FUSE, Secondary of Transformer	Buss LPJ17-1/2	*	*	*	*	*	*
	910006-057	FUSE, Secondary of Transformer	Buss LPJ8	*	*	*	*	*	*
	910006-056	FUSE, Secondary of Transformer	Buss LPJ6	*	*	*	*	*	*
		FUSE, Secondary of Transformer	Buss LPJ2-1/4	*	*	*	*	*	*
14	910006-044	FUSE BLOCK, Transformer Sec.	Buss J600-30-2CR	–	–	–	–	–	–
15	117950-094	FORWARD AND REVERSING, Motor Starter, Carriage Drive	Allen Bradley 505-TOD-00	1	1	1	1	1	1
16	910006-033	HEATER, Motor Starter, Carriage Drive	Allen Bradley W36	3	–	–	3	–	–
	117950-099	HEATER, Motor Starter, Carriage Drive	Allen Bradley W35	–	3	–	–	3	–
	910006-030	HEATER, Motor Starter, Carriage Drive	Allen Bradley W27	–	–	3	–	–	3

*Indicates unknown quantity.

NOTE: List continued on page 53.

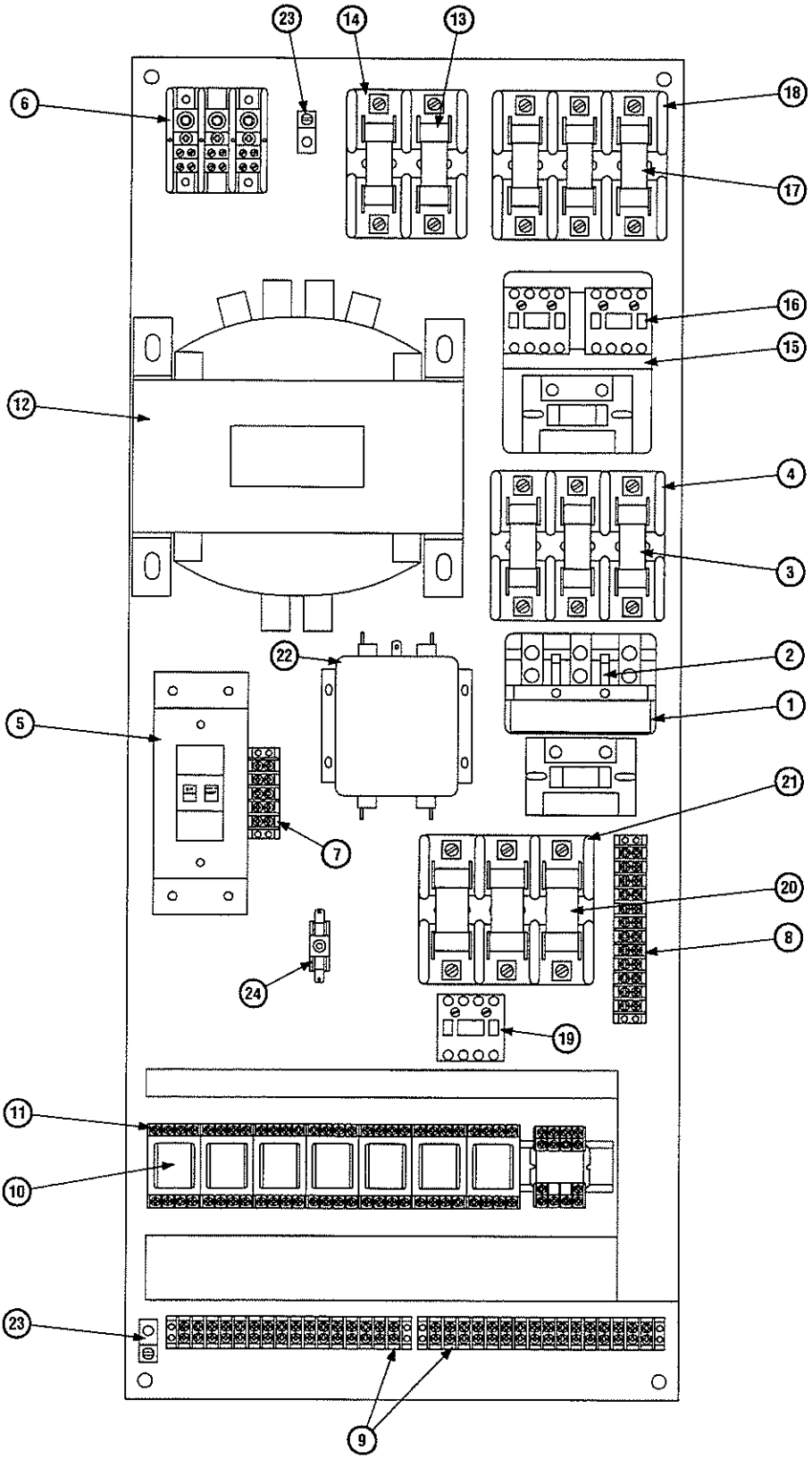


Figure 18. 3000 Control Column Assembly – Electrical Box (repeated)

3000 Control Column Assembly – Electrical Box (continued)

Call AMSCO Customer Service to Order Parts: 1-800-333-8848

ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY					
		15 HP TREATMENT PUMP, 3/460 V		X					
		10 HP TREATMENT PUMP, 3/208 V			X				
		10 HP TREATMENT PUMP, 3/230 V				X			
		10 HP TREATMENT PUMP, 3/460 V					X		
		15 HP TREATMENT PUMP, 3/208 V						X	
		15 HP TREATMENT PUMP, 3/230 V							X
17	910006-149	FUSE, Carriage Drive, 208V	Buss LPJ4-1/2	–	3	–	–	3	–
	910006-054	FUSE, Carriage Drive, 230V	Buss LPJ4	–	–	3	–	–	3
	910006-051	FUSE, Carriage Drive, 460V	Buss LPJ2	3	–	–	3	–	–
18	910006-045	FUSE BLOCK, Carriage Drive	Buss J600-30-3CR	1	1	1	1	1	1
19	117950-094	MOTOR STARTER, Fan	Allen Bradley 509-TOD Size 00	1	1	1	1	1	1
20	910006-054	FUSE, Fan, 208V	Buss LPJ4	–	3	–	–	3	–
	910006-053	FUSE, Fan, 230V	Buss LPJ3-1/2	–	–	3	–	–	3
	910006-050	FUSE, Fan, 460V	Buss LPJ1-8/10	3	–	–	3	–	–
21	910006-045	FUSE BLOCK, Fan	Buss J600-30-3CR	1	1	1	1	1	1
22	910006-269	POWER FILTER	Corcom Type 20V 81F4559	1	1	1	1	1	1
23		GROUND LUG	Panduit LAMA2-14-Q	2	2	2	2	2	2
24	117941-374	FUSE, Secondary Circuit	Buss MDA-15	1	1	1	1	1	1

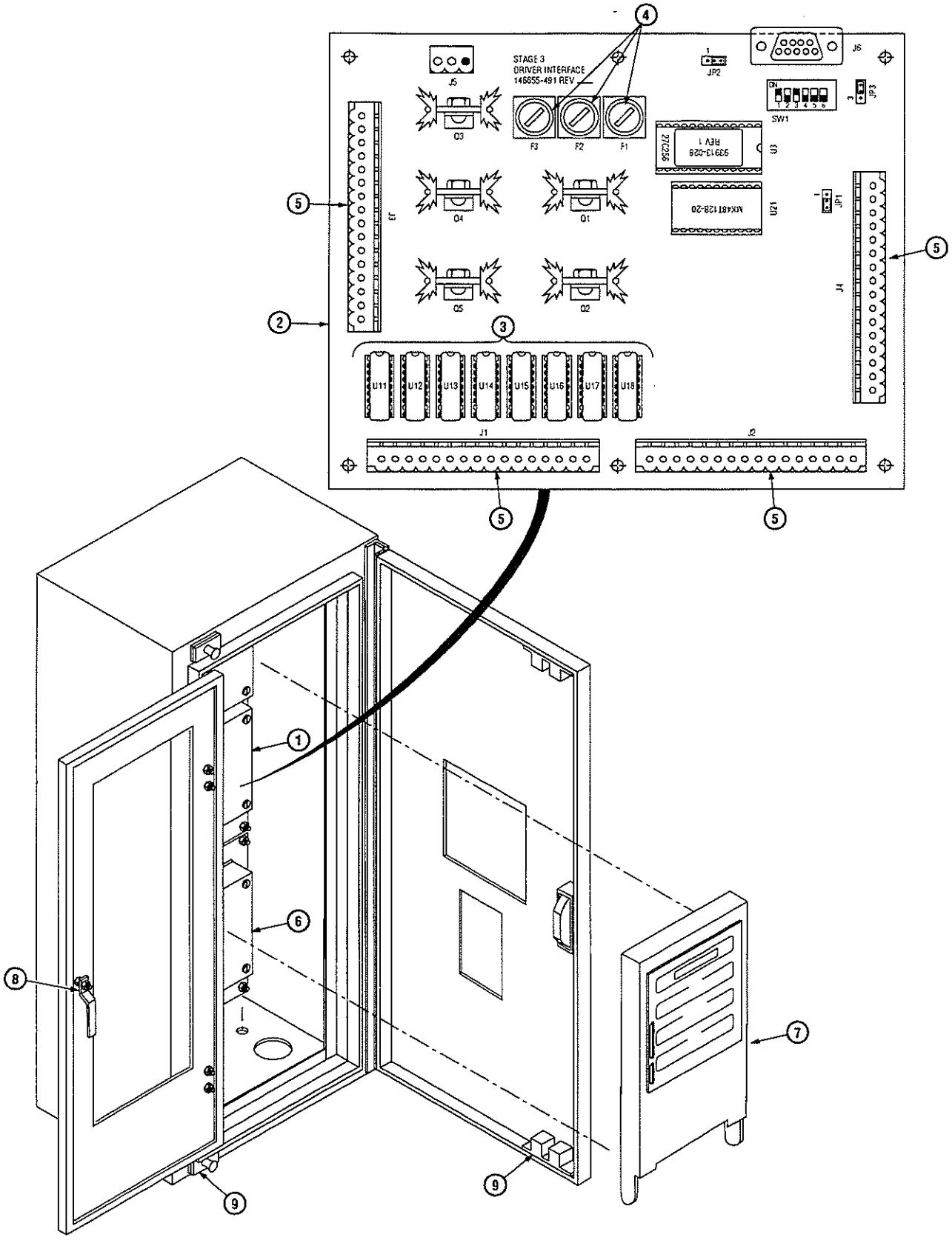


Figure 19. 3000 Control Column Assembly – Control Box

3000 Control Column Assembly – Control Box

Call AMSCO Customer Service to Order Parts: 1-800-333-8848

ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY
1	910081-005	I/O BOX ASSEMBLY		2
2	146655-491	I/O BOARD		2
3	129361-870	RELAY, Solid State, Replaceable		8
4	129361-869	FUSE, 7A – 250V		3
5	129362-634	PLUG, 16 Position		4
6	146659-026	BOARD, pH – Optional		1
7		PRINTER/DISPLAY PANEL ASSEMBLY (Part 1 of 2) (see Figure 21)		1
	910006-193	KIT, pH		A/R
	910006-189	■ BUFFER, 4 pH		
	910006-190	■ BUFFER, 10 pH		
	910006-077	■ pH TEST PAPER		
8	764324-443	LOCK KIT		1
9	910006-124	LATCH		1

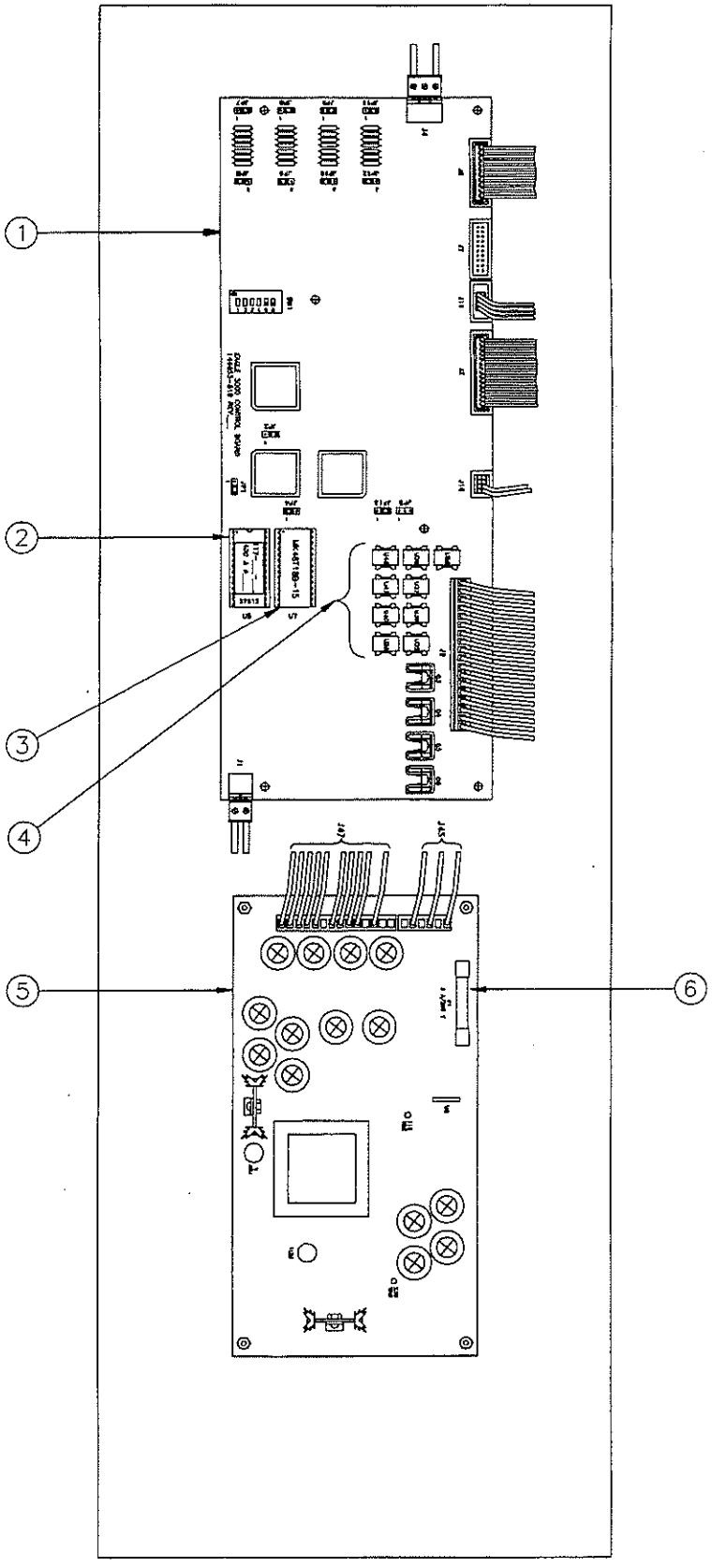


Figure 20. Control PC Board, Power Supply and Connector Board

Control PC Board, Power Supply and Connector Board

Call AMSCO Customer Service to Order Parts: 1-800-333-8848

ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY
1	146655-819	BOARD, Control PC		1
2	910006-277	EPROM	Latest Revision by Serial Number	1
3	129362-145	RAM, Battery Backed-Up		1
4	129360-770	DRIVER, 300 MA		9
5	93910-541	SUPPLY, Power		1
6	764317-778	FUSE, 3A, 250V		1

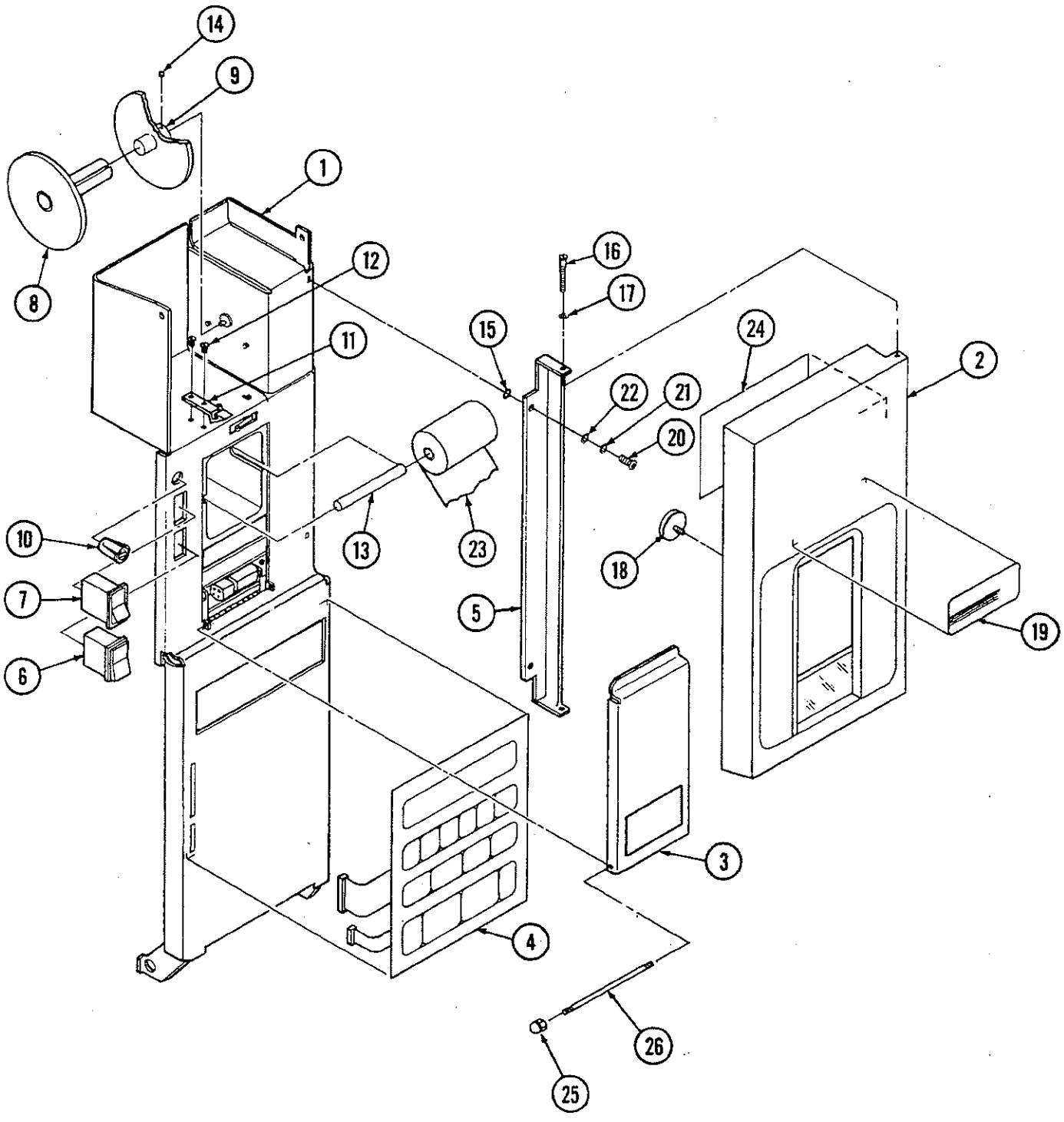


Figure 21. Printer/Display Panel Assembly (Part 1 of 2)

Printer/Display Panel Assembly (Part 1 of 2)

Call AMSCO Customer Service to Order Parts: 1-800-333-8848							
ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY			
1		BRACKET, Mounting		1			
2	146653-226	DOOR, Printer Access		1			
3	93908-482	PLATEN		1			
4	136806-193	PANEL, Touch		1			
5	136806-411	BAR, Hinge		1			
6	93908-901	SWITCH, Printer Function	Dreefs 236J0B1X	1			
7	93902-846	SWITCH, Control	Little Fuse 33516-001-91	1			
8	93910-248	SPOOL		1			
9	93910-250	STUD, Spool		1			
10	129356-001	CATCH, Magnetic	South Co. 02-20-411-10	1			
11	129360-448	CLIP		1			
12	93908-031	SCREW, Sems, 4 – 40 x 1/4"		8			
13	129357-884	SHAFT, Paper		1			
14	93908-031	SCREW, Set, 6 – 32 x 3/16"		1			
15	19677-041	LOCK WASHER, #10		2			
16	129359-489	SCREW, Shoulder, 4 – 40 x 1/8 x 29/64"		4			
17	129139-002	WASHER, Flat, Fiber		2			
18	93909-376	STRIKE		1			
19	129362-135	NAMEPLATE, Stage 3		1			
20	129359-461	SCREW, Button HD, 10 – 32 x 1/2"		2			
21	129352-069	NUT, Retaining, 10 – 32		2			
22	5511-041	WASHER, Flat, #10		2			
23	129359-008	PAPER, Roll (Box of 5 rolls)		1			
24	93908-516	PLATE, Instruction		1			
25		NUT, Press Black		2			
26		ROD, Platen		1			

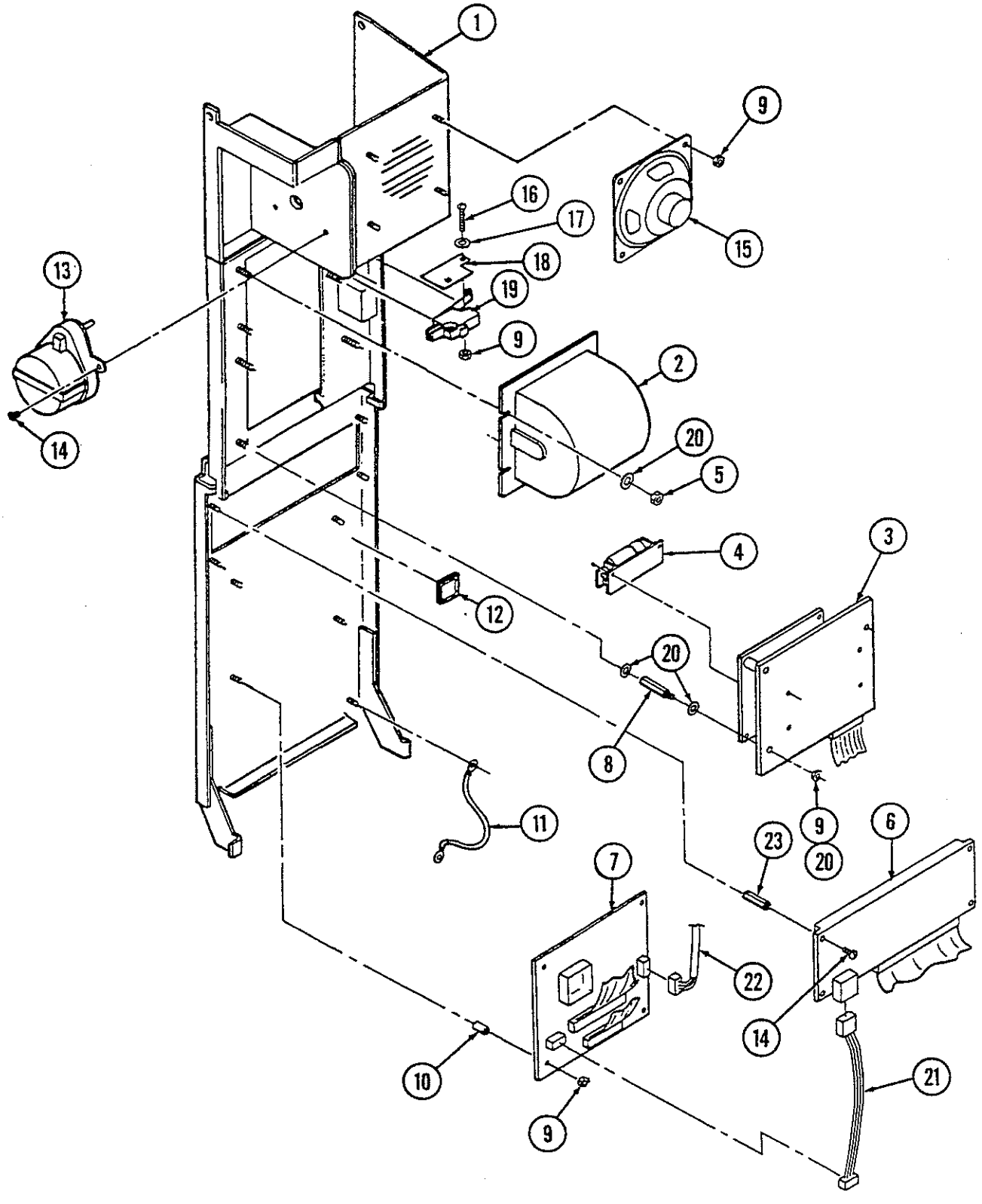


Figure 22. Printer/Display Panel Assembly (Part 2 of 2)

Printer/Display Panel Assembly (Part 2 of 2)

Call AMSCO Customer Service to Order Parts: 1-800-333-8848

ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY
1	146655-352	BRACKET, Mounting		1
2	136800-949	HOUSING, Paper		1
3	93910-531	PRINTER ASSEMBLY, with Printer		1
4	755716-005	PRINTER, with Cable		1
5	84121-002	NUT, Keps, 6 – 32		4
6	93908-435	DISPLAY	Futaba M2025D08FJ	1
7	146655-598	PC BOARD, Interface		1
8	129361-678	STAND-OFF, 6 – 32 x 1"		3
9	84121-001	NUT, Keps, 4 – 40		12
10	129360-821	SPACER		4
11	93909-399	WIRE, Ground		1
12	129326-001	MOUNT, Wire Tie		3
13	93909-399	GEAR, Motor	Crouzet Cont. 82344	1
14	93908-031	SCREW, Sems, 4 – 40 x 1/4"		8
15	56401-535	SPEAKER		1
16	90993-091	SCREW, Round HD, 4 – 40 x 3/4"		2
17	26032-091	WASHER, Flat, #4		2
18	90124-091	INSULATOR, Switch		1
19	129359-463	SWITCH, Micro	Micro Switch V3L-2103-D8	1
20	84114-002	WASHER, Flat #6		10
21	93910-546	CONNECTOR ASSEMBLY		1
22	136807-690	CABLE ASSEMBLY, P67		1
23	129361-676	STAND-OFF, 4 – 40 x 7/16"		4

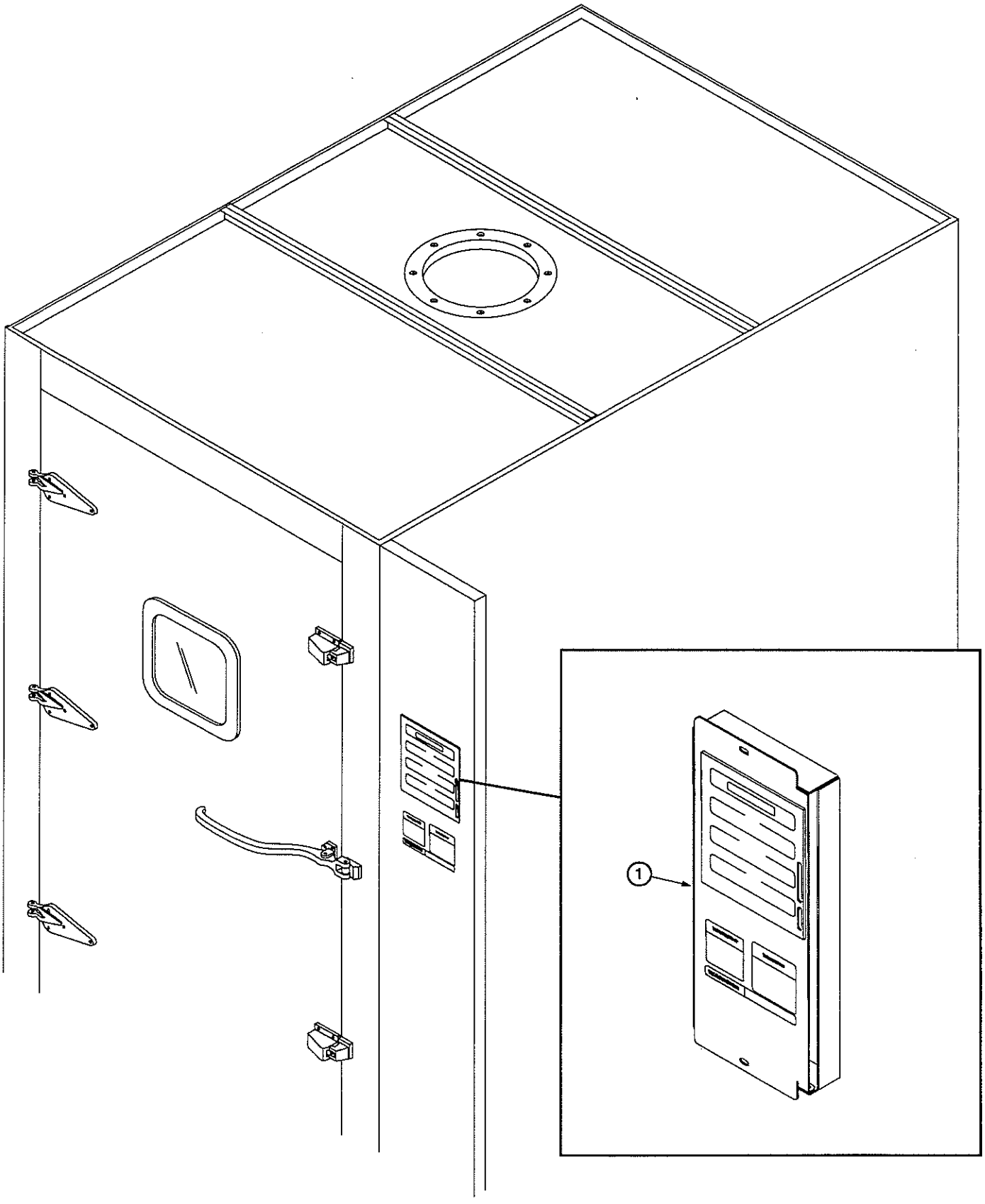


Figure 23. Non-operating End Control Panel

Non-operating End Control Panel

Call AMSCO Customer Service to Order Parts: 1-800-333-8848

ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY
1	910081-024	ASSEMBLY, Remote Control		1
	14590-091	■ RING TERMINAL, #6 Stud		2
	35581-091	■ FUSE, 1A - 125V		2
	84120-001	■ SCREW		2
	84121-001	■ NUT, Hex, 4 – 40 Keps		18
	84121-002	■ NUT, Hex, 6 – 32 Keps		7
	90619-091	■ RING TERMINAL, #6 Stud		5
	90699-091	■ TERMINAL BLOCK		2
	91694-091	■ QUICK DISCONNECT		10
	93902-778	■ FUSE HOLDER		1
	93908-031	■ SCREW, Round Hd., 4 – 40 x 1/4"		18
	93908-435	■ DISPLAY MODULE		1
	93910-540	■ SPEAKER		1
	93910-546	■ CONNECTOR ASSEMBLY		1
	93910-889	■ ASSEMBLY, Cable		1

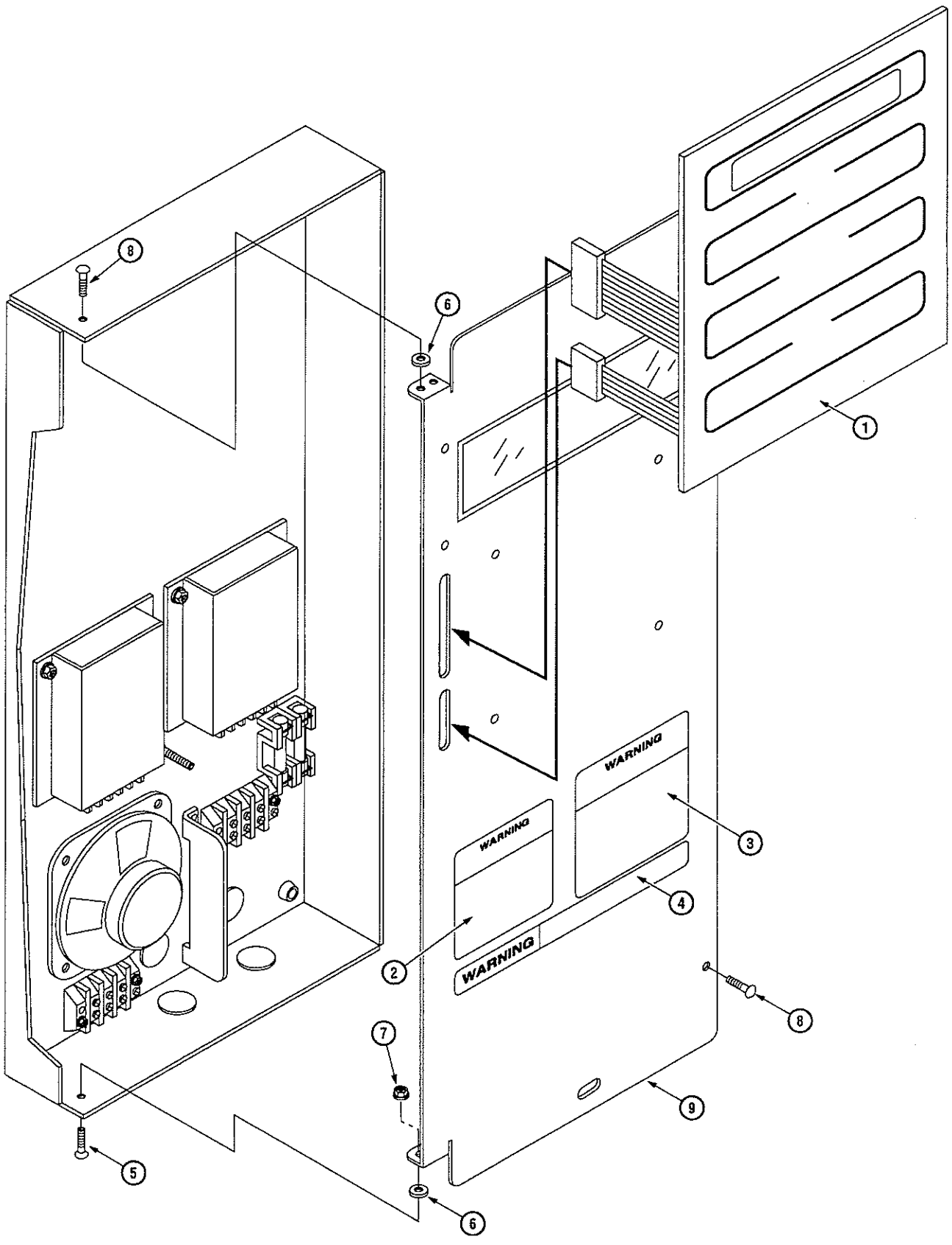


Figure 24A. 3000 Remote Control Inner Panel – Front View

3000 Remote Control Inner Panel – Front View

Call AMSCO Customer Service to Order Parts: 1-800-333-8848

ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY
1	136806-193	PANEL, Touch		1
2	150369-001	DECAL, WARNING – SHOCK HAZARD		1
3	150371-001	DECAL, WARNING – MAIN POWER		1
4	150367-001	DECAL, WARNING – FUSE RATING		1
5	84120-001	SCREW, Flathead, 4 – 40 x 5/16" Lg		2
6	150475-913	WASHER		2
7	84121-001	NUT, Keps, 4 – 40		2
8	129353-345	SCREW, Flathead, 8 – 32 x 7/8" Lg		2
9		INNER PANEL – REAR VIEW (see Figure 24B)		

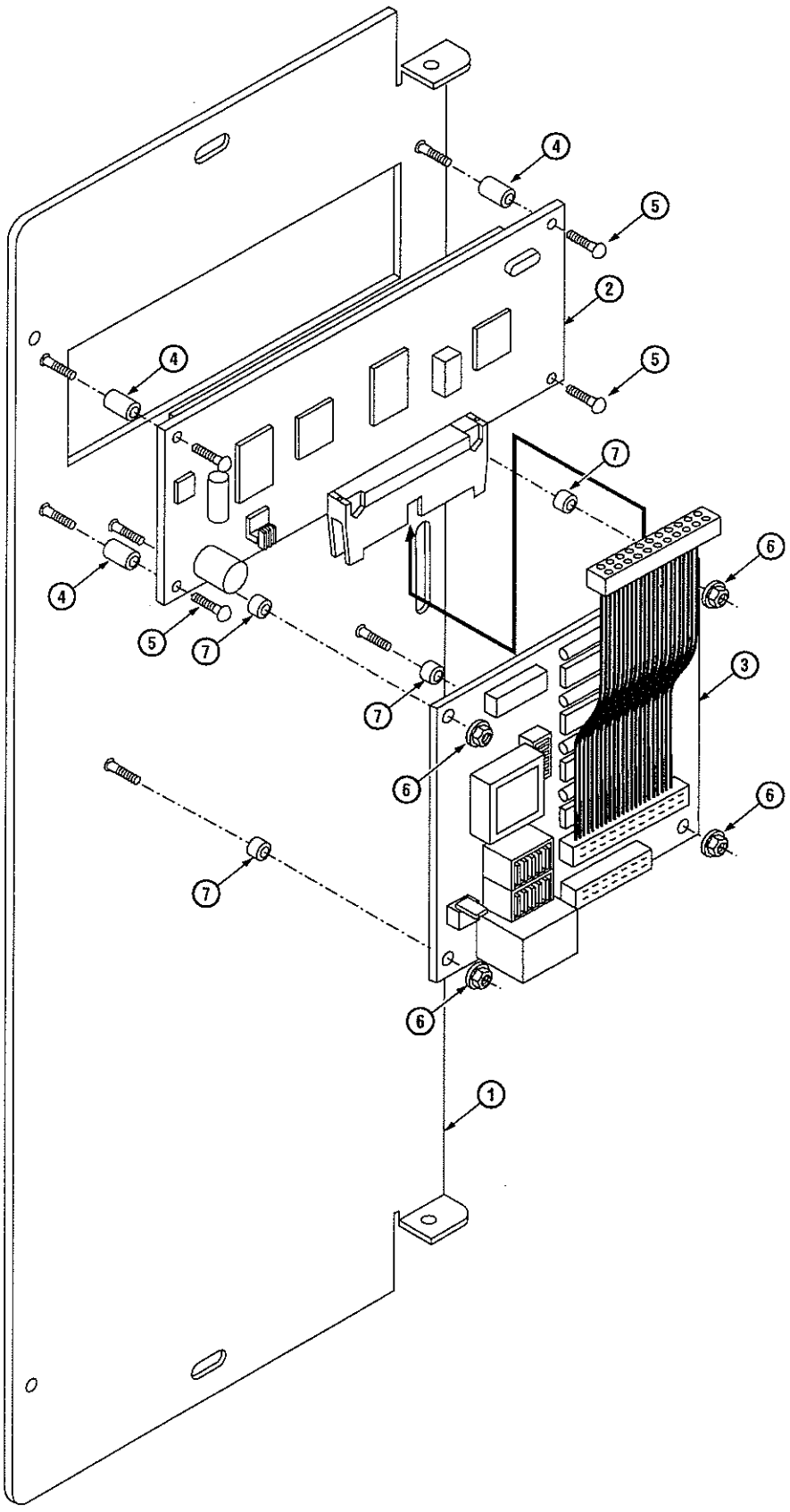


Figure 24B. 3000 Remote Control Inner Panel – Rear View

3000 Remote Control Inner Panel – Rear View

Call AMSCO Customer Service to Order Parts: 1-800-333-8848

ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY
1	910081-021	PANEL, Inner		1
2	93908-435	DISPLAY, Vacuum	Futaba Inc. M202SD08FJ	1
3	146655-598	BOARD, Interface		1
4	129361-676	STANDOFF, 4 – 40		4
5	93908-031	SCREW, Sems, 4 – 40		4
6	84121-001	NUT, Keps, 4 – 40		4
7	129360-821	SPACER		4

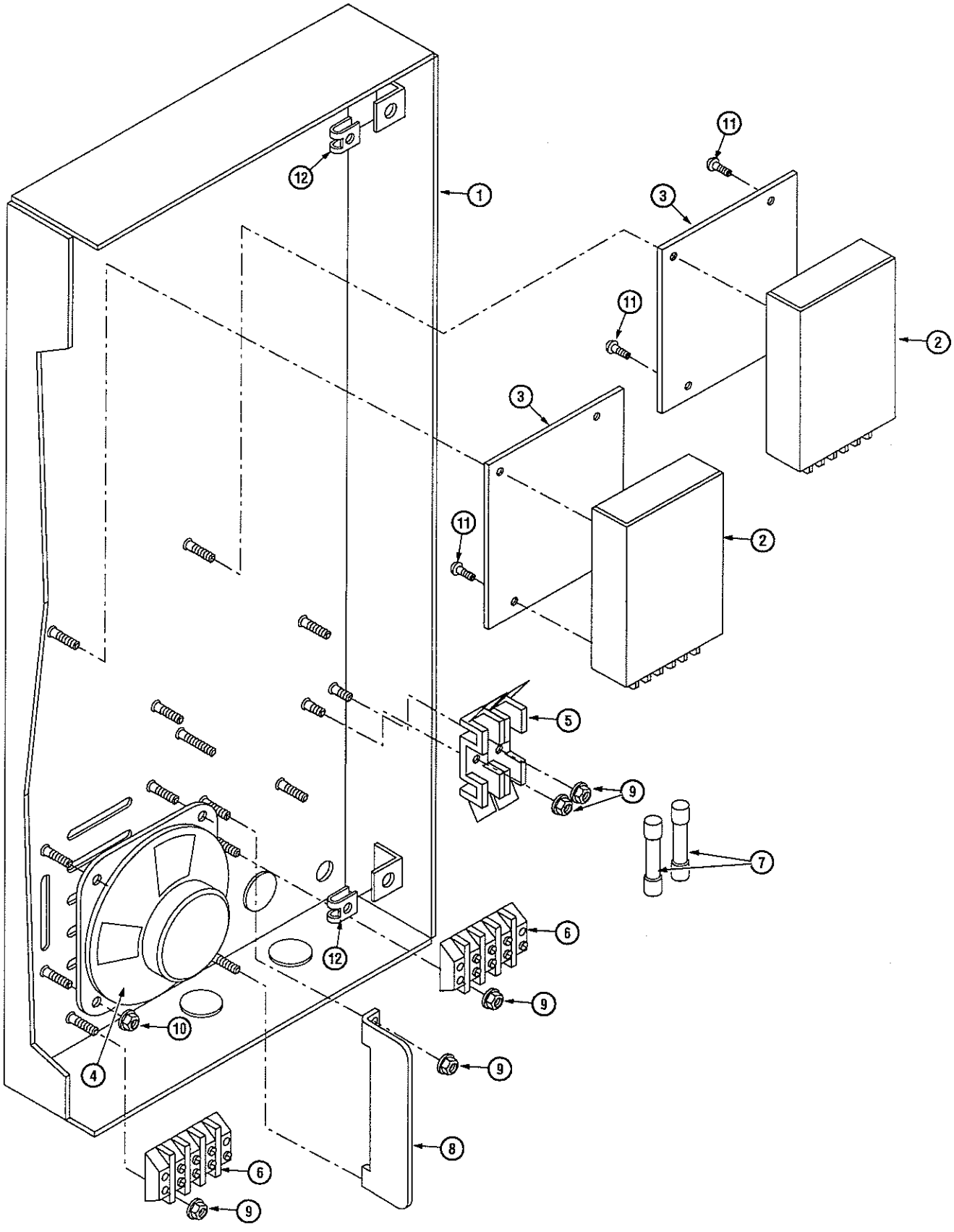


Figure 25. 3000 Remote Control – Rear View

3000 Remote Control – Rear View

Call AMSCO Customer Service to Order Parts: 1-800-333-8848

ITEM NUMBER	PART NUMBER	DESCRIPTION	MANUFACTURER AND NUMBER	UNITS PER ASSEMBLY
1	93910-898	HOUSING, Control		1
2	93910-925	SUPPLY, Power	Kepco FMP5-2K	2
3	129361-989	PLATE, Mounting		2
4	56401-535	SPEAKER	Quam-Nichols 30C25Z8	1
5	93902-778	BLOCK, Fuse	Little Fuse 354-802-GY	1
6	90699-091	BLOCK, Terminal	Marathon 103-SP	2
7	764317-462	FUSE, 1A	Little Fuse 313-3AG	2
8	129362-413	BRACKET, Barrier		1
9	84121-001	NUT, Keps, 4 – 40		10
10	84121-002	NUT, Keps, 6 – 32		4
11	93908-031	SCREW, Sems, 4 – 40 x 1/4" Lg		10
12	910000-002	NUT, Speed, 8 – 32		2